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# MICHIGAN AGRICULTURAL STATISTICS

# 1985

MICHIGAN DEPARTMENT OF AGRICULTURE

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OF AGRICULTURE

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# DEPARTMENT OF AGRICULTURE

P.O. Box 30017, Lansing, Michigan 48909

PAUL E. KINDINGER, Director

September, 1985

Dear Reader:

Even in this complex, fast-paced technological age, agriculture, the state's leading growth industry, stands out as one of the most important segments of Michigan's economy.

Michigan produces more than 50 food and fiber crops commercially each year. This diversity of crops is primarily due to Michigan's uniquely varied types of soils, the "tempering effect" of the Great Lakes, and an abundant supply of fresh water.

Cash receipts from farm marketing reached nearly $3 billion in 1984. When the costs of processing, shipping and marketing services are added, the value of Michigan's vast agribusiness complex reaches an estimated $15 billion.

In a business of such magnitude and investment, farmers need reliable information to make practical farm-related decisions. Just as importantly, however, basic statistical data is essential to all who make plans relative to agriculture and the food chain....whether processors, manufacturers, bankers, educators, government officials or citizens.

For more than 110 years, the collection, analysis and publication of agricultural statistics has been performed by the Michigan Agricultural Reporting Service. We hope this year's information will assist you in making effective management decisions. All segments of the agricultural industry must work together to improve the industry.

If you have any comments, questions or concerns about these statistics or any other topic, feel free to contact the Michigan Agricultural Reporting Service, since they are a vital part of the Michigan Department of Agriculture.

Sincerely,

P. Kindinger

Director

# MICHIGAN AGRICULTURAL STATISTICS 1985

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This bulletin is provided free to Michigan farmers and reporting agribusiness firms. Others may obtain copies at $3.00 each. Please make checks payable to USDA-SRS and send it with your request to P.O. Box 20008, Lansing, MI 48901.

MARS-85-02

Michigan
Agricultural
Reporting
Service
Michigan Dept. of Agriculture
U.S. Department of Agriculture

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September, 1985

Dear Friends:

We are pleased to present this issue of Michigan Agricultural Statistics, which contains state and county data for 1984 and previous years.

This bulletin is a compilation of most of the official estimates which provide the data base for our Michigan agricultural industry. Revisions made in association with the 1982 United States Census of Agriculture are included and are linked back to the previous Census of 1978.

From an historic viewpoint 1984 might be characterized as a year of transition. Although production of most crop and livestock items was about average, deteriorating commodity prices were coupled with rapid declines in land values.

Although low profitability now weighs heavy on our agricultural community, farmers continue to demonstrate their absolute need for an accurate data base as the painful adjustment process continues.

The excellent cooperation of all our reporters is greatly appreciated.

Sincerely,

Don J. Fedewa
Statistician in Charge

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## Michigan's Rank in the Nation's Agriculture, 1984

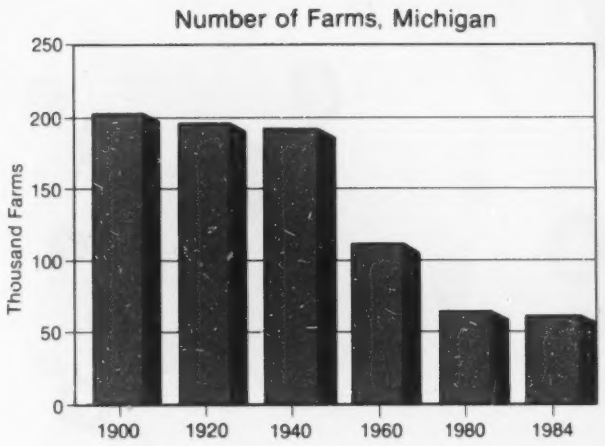
| COMMODITY | Rank Among States | Production | Unit | Percent of U.S. Production | Leading State |
|---|---|---|---|---|---|
| | | *1,000* | | | |
| Tart Cherries | 1 | 210,000 | Lbs. | 77.5 | **Michigan** |
| Cucumbers for Pickles | 1 | 104.5 | Tons | 17.9 | **Michigan** |
| All Dry Beans | 1 | 4,173 | Cwt. | 20.1 | **Michigan** |
| Navy Beans | 1 | 3,591 | Cwt. | 72.3 | **Michigan** |
| Cranberry Beans | 1 | 140 | Cwt. | 100.0 | **Michigan** |
| Bedding Plants | 1 | 7,260 | Flats | 14.1 | **Michigan** |
| Asparagus | 2 | 9,638 | Cwt. | 22.6 | Washington |
| Black Turtle Beans | 2 | 22 | Cwt. | 20.2 | New York |
| Gladioli | 2 | 19,230 | Spikes | 15.4 | Florida |
| Lilies, Potted | 2 | 790 | Pots | 11.1 | California |
| Prunes and Plums | 2 | 12 | Tons | 24.5 | Washington |
| Apples | 3 | 770,000 | Lbs. | 9.4 | Washington |
| Small White Beans | 3 | 140 | Cwt. | 21.7 | Washington |
| Carrots | 3 | 2,025 | Cwt. | 8.6 | California |
| Celery | 3 | 1,560 | Cwt. | 8.3 | California |
| Non-Fat Dry Milk | 3 | 102,809 | Lbs. | 8.9 | California |
| Mushrooms | 3 | 17,506 | Lbs. | 3.1 | Pennsylvania |
| Red Kidney Beans | 3 | 250 | Cwt. | 18.0 | California |
| Sweet Cherries | 3 | 33,000 | Lbs. | 18.2 | Washington |
| Tomatoes, Processing | 3 | 173.9 | Tons | 2.3 | California |
| Geraniums, Potted | 3 | 9,750 | Pots | 13.7 | Pennsylvania |
| Dry Buttermilk | 4 | 2,420 | Lbs. | 6.1 | Minnesota |
| Snap Beans, Processing | 4 | 49 | Tons | 7.4 | Wisconsin |
| Floriculture | 4 | 67,421 | Dollars | 5.4 | Florida |
| Grapes | 5 | 49 | Tons | 1.0 | California |
| Pears | 5 | 11 | Tons | 1.5 | California |
| Spearmint | 5 | 125 | Lbs. | 6.2 | Washington |
| Strawberries | 5 | 189 | Cwt. | 1.9 | California |
| Sugarbeets | 5 | 2,117 | Tons | 9.5 | California |
| Butter | 6 | 43,568 | Lbs. | 4.0 | Wisconsin |
| Cauliflower | 6 | 98 | Cwt. | 1.5 | California |
| Milk | 6 | 5,350,000 | Lbs. | 4.0 | Wisconsin |
| Oats | 6 | 21,700 | Bu. | 4.6 | S. Dakota |
| Onions | 6 | 2,933 | Cwt. | 6.7 | California |
| Peaches | 6 | 45,000 | Lbs. | 2.5 | California |
| Alfalfa Hay | 7 | 4,620 | Tons | 5.1 | Wisconsin |
| Corn for Silage | 7 | 4,400 | Tons | 4.2 | Wisconsin |
| Corn, Sweet | 7 | 800 | Cwt. | 5.1 | Florida |
| Rye | 7 | 588 | Bu. | 1.8 | S. Dakota |
| Corn for Grain | 8 | 220,080 | Bu. | 2.9 | Iowa |
| Creamed Cottage Cheese | 8 | 30,812 | Lbs. | 4.2 | New York |
| Mink | 8 | 167.5 | Pelts | 4.0 | Wisconsin |
| Tomatoes, Fresh Market | 8 | 420 | Cwt. | 1.5 | Florida |
| Ice Milk | 9 | 10,006 | Gal. | 3.3 | California |
| Lettuce | 9 | 259 | Cwt. | .4 | California |
| Ice Cream | 10 | 31,398 | Gal. | 3.6 | California |
| Potatoes | 10 | 15,100 | Cwt. | 4.2 | Idaho |
| All Hay | 11 | 5,285 | Tons | 3.5 | Wisconsin |
| Hogs and Pigs[1] | 11 | 1,310 | Head | 2.4 | Iowa |
| Pinto Beans | 11 | 21 | Cwt. | .3 | Colorado |
| Milk Sherbert | 12 | 1,425 | Gal. | 3.0 | California |
| Eggs | 15 | 1,519,000 | Eggs | 2.2 | California |
| Soybeans | 15 | 32,130 | Bu. | 1.7 | Illinois |
| Winter Wheat | 17 | 45,600 | Bu. | 2.2 | Kansas |
| Turkeys[1] | 18 | 2,100 | Birds | 1.2 | N. Carolina |
| Cash Receipts from Marketings | 19 | 2,793,871 | Dollars | 2.0 | California |

[1] Ranking based on number of head or birds.

## Farm Numbers and Acreage, Michigan[1]

| YEAR | Number of Farms | Average Size Per Farm | Total Land in Farms |
|---|---|---|---|
| | | *Acres* | *1,000 Acres* |
| **1985** | **63,000** | **181** | **11,400** |
| 1984 | 63,000 | 181 | 11,400 |
| 1983 | 64,000 | 178 | 11,400 |
| 1982 | 64,000 | 178 | 11,400 |
| 1981 | 65,000 | 175 | 11,400 |
| 1980 | 65,000 | 175 | 11,400 |
| 1970 | 84,000 | 151 | 12,700 |
| 1960 | 118,000 | 131 | 15,400 |
| 1950 | 161,000 | 111 | 17,900 |
| 1940 | 190,000 | 97 | 18,400 |
| 1930 | 179,000 | 101 | 18,000 |
| 1920 | 196,447 | 97 | 19,033 |
| 1910 | 206,960 | 92 | 18,941 |
| 1900 | 203,261 | 86 | 17,562 |

[1] Starting with 1979, USDA estimates of farm numbers and land in farms is based on the definition; a farm is a place as of June 1 that sells or could sell $1,000 of agricultural products during the year. Prior to 1979 farm definition was; places of 10 or more acres that had annual sales of $50 or more or places that had annual sales of $250 or more.




## Production Index by Groups, Michigan (1977 = 100)

| YEAR | All Crops[1] | Feed Grains[2] | Hay | Cash Crops[3] | Fruit |
|---|---|---|---|---|---|
| **1984** | **129** | **105** | **185** | **126** | **128** |
| 1983 | 107 | 79 | 157 | 114 | 113 |
| 1982 | 133 | 139 | 152 | 108 | 152 |
| 1981 | 127 | 126 | 143 | 119 | 104 |
| 1980 | 120 | 114 | 142 | 112 | 136 |

[1] Includes feed grains, hay, cash crops and fruit.
[2] Corn, oats and barley.
[3] Wheat, dry beans, soybeans, sugarbeets and potatoes.

## Production Index by Groups, United States (1977 = 100)

| YEAR | All Crops[1] | Feed Grains | Hay and Forage | Food Grains | Sugar Crops |
|---|---|---|---|---|---|
| **1984** | **110** | **115** | **107** | **129** | **96** |
| 1983 | 87 | 67 | 100 | 116 | 93 |
| 1982 | 118 | 124 | 110 | 140 | 96 |
| 1981 | 116 | 121 | 106 | 144 | 107 |
| 1980 | 101 | 97 | 98 | 121 | 97 |

[1] Includes vegetables, fruits, nuts and some other crops not in separate groups shown, and farm vegetable gardens.

## Michigan Crop Acreage, Production and Value

| CATEGORIES AND ANNUAL TOTALS | Acreage Harvested | Total Production | Value of Production |
|---|---|---|---|
| | *1,000 Acres* | *1,000 Tons* | *1,000 Dollars* |
| **1984 CROPS:** | | | |
| Field Crops[1] | 7,724 | 21,673 | 1,502,668[2] |
| Fruit | 111 | 618 | 154,080 |
| Vegetables | 104 | 747 | 132,276 |
| TOTAL CROPS: | | | |
| **1984[3]** | **7,939** | **23,038** | **1,789,024[2]** |
| 1983 | 6,383 | 20,362 | 1,712,185 |
| 1982 | 7,568 | 24,557 | 1,762,685 |

[1] Includes minor crops.
[2] Includes 1984 sugarbeet production valued at the 1983 level.
[3] Includes asparagus and cucumbers for pickles.

## Record Highs and Lows In Michigan Agriculture

| FIELD CROPS & VEGETABLES | Year Estimates Started | Record | Acreage | | Yield | | | Production | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Harvested | Year | Unit | Per Acre | Year | Total | Year |
| | | | *1,000* | | | | | *1,000* | |
| Corn for grain | 1924 | High | 2,800 | 1981 | Bu. | 107 | 1982 | 293,180 | 1982 |
| | | Low | 577 | 1929 | | 24.5 | [1] | 15,637 | 1929 |
| Winter Wheat | 1909 | High | 1,515 | 1953 | Bu. | 57 | 1984 | 45,600 | 1984 |
| | | Low | 410 | 1978 | | 10.5 | 1912 | 7,350 | 1912 |
| Oats | 1866 | High | 1,658 | 1918 | Bu. | 63 | 1982 | 69,388 | 1946 |
| | | Low | 205 | 1866 | | 18.5 | 1921 | 6,490 | 1867 |
| Barley | 1866 | High | 303 | 1932 | Bu. | 60 | 1984 | 8,400 | 1918 |
| | | Low | 16 | 1974 | | 13.5 | 1933 | 546 | 1866 |
| Rye | 1866 | High | 913 | 1919 | Bu. | 30 | 1983 | 12,143 | 1919 |
| | | Low | 7 | 1866 | | 8.8 | 1934 | 105 | 1866 |
| Soybeans | 1924 | High | 1,190 | 1984 | Bu. | 33 | 1980 | 35,340 | 1982 |
| | | Low | 1 | 1930 | | 8 | 1927 | 10 | 1930 |
| Potatoes | 1866 | High | 374 | 1895 | Cwt. | 266 | 1984 | 23,256 | 1904 |
| | | Low | 36.4 | 1975 | | 26 | 1916 | 3,557 | 1876 |
| Dry Beans | 1909 | High | 690 | 1930 | Cwt. | 14.7 | 1963 | 8,585 | 1963 |
| | | Low | 314 | 1921 | | 3.2 | 1917 | 1,656 | 1916 |
| Sugarbeets | 1906 | High | 154 | 1933 | Ton | 21.3 | 1970 | 2,117 | 1984 |
| | | Low | 48 | 1943 | | 5.5 | 1916 | 298 | 1943 |
| All Hay | 1866 | High | 2,907 | 1924 | Ton | 3.2 | 1981 | 5,285 | 1984 |
| | | Low | 780 | 1866 | | .6 | 1895 | 1,014 | 1866 |
| Alfalfa | 1919 | High | 1,444 | 1950 | Ton | 3.6 | 1983 | 4,620 | 1984 |
| | | Low | 74 | 1919 | | 1.1 | 1934 | 118 | 1919 |
| Spearmint | 1935 | High | 8.7 | 1954 | Lb. | 47 | 1935 | 280 | 1948 |
| | | Low | .7 | 1935 | | 20 | 1965 | 30 | 1965 |
| Carrots | 1929 | High | 7.5 | 1984 | Cwt. | 350 | 1930 | 2,025 | 1984 |
| | | Low | .5 | 1929 | | 150 | 1959 | 132 | 1936 |
| Cauliflower | 1939 | High | 1.9 | 1958 | Cwt. | 141 | 1949 | 212 | 1949 |
| | | Low | .7 | 1976 | | 36 | 1959 | 38 | 1973 |
| Celery | 1928 | High | 7.2 | 1941 | Cwt. | 470 | 1982 | 1,918 | 1941 |
| | | Low | 1.9 | 1960 | | 174 | 1935 | 590 | 1959 |
| Lettuce | 1952 | High | 1.7 | 1963 | Cwt. | 250 | 1982 | 384 | 1967 |
| | | Low | 1.1 | 1984 | | 85 | 1953 | 110 | 1953 |
| Onions | 1928 | High | 12.7 | 1935 | Cwt. | 350 | 1960 | 2,822 | 1965 |
| | | Low | 5.0 | 1928 | | 120 | 1935 | 852 | 1928 |
| Snap Beans (Proc.) | 1918 | High | 18.3 | 1973 | Ton | 2.8 | [2] | 49,000 | 1984 |
| | | Low | .8 | 1921 | | .6 | 1947 | 600 | 1921 |
| Sweet Corn | 1949 | High | 15.2 | 1961 | Cwt. | 80 | 1970 | 1,016 | 1970 |
| | | Low | 9.5 | 1956 | | 42 | 1949 | 525 | 1949 |
| Strawberries | 1928 | High | 11.6 | 1957 | Lb. | 8,000 | [3] | 45,144 | 1940 |
| | | Low | 2.7 | [4] | | 1,080 | 1934 | 11,880 | 1934 |
| Tomatoes (Proc.) | 1918 | High | 9.7 | 1982 | Ton | 23.5 | 1984 | 205 | 1982 |
| | | Low | 1.0 | 1921 | | 2.7 | 1943 | 5 | 1921 |
| Tomatoes (Fresh) | 1928 | High | 9.4 | 1943 | Cwt. | 120 | [5] | 797 | 1943 |
| | | Low | 2.5 | 1928 | | 60 | 1959 | 206 | 1930 |

[1] 1930, 1934
[2] 1980, 1983, 1984
[3] 1976, 1982
[4] 1980, 1981, 1982, 1983, 1984
[5] 1979, 1983, 1984

## Record Highs and Lows In Michigan Agriculture (Continued)

| FRUIT | Year Estimates Started | Record | Trees Of Bearing Age | Year | Production | | |
|---|---|---|---|---|---|---|---|
| | | | | | Unit | Total | Year |
| | | | *1,000* | | | | |
| Apples | 1889 | High | 10,928 | 1899 | Mil. Lbs. | 980 | 1982 |
| | | Low | 2,200 | [6] | | 53 | 1945 |
| Tart Cherries | 1925 | High | 3,650 | [7] | Mil. Lbs. | 380 | 1964 |
| | | Low | 1,339 | 1929 | | 18 | 1927 |
| Sweet Cherries | 1925 | High | 980 | [8] | Mil. Lbs. | 75 | 1978 |
| | | Low | 79 | 1929 | | 1 | 1945 |
| Peaches | 1889 | High | 12,500 | 1898 | Mil. Lbs. | 245 | [9] |
| | | Low | 400 | 1982 | | 7 | 1918 |
| Pears | 1889 | High | 1,319 | 1898 | Ton | 48,600 | 1964 |
| | | Low | 150 | 1984 | | 2,425 | 1890 |
| Prunes & Plums | 1919 | High | 750 | 1972 | Ton | 25,000 | 1971 |
| | | Low | 209 | 1941 | | 1,700 | 1945 |
| Grapes[10] | 1889 | High | 18,500 | 1929 | Ton | 77,900 | 1932 |
| | | Low | 5,800 | 1984 | | 4,200 | 1889 |

| Livestock & Products | Year Estimates Started | Record | Inventory January 1 Or Production | | |
|---|---|---|---|---|---|
| | | | Unit | Total | Year |
| Cattle & Calves | 1867 | High | 1,000 | 2,036 | 1944 |
| | | Low | Head | 538 | 1867 |
| Milk Cows | 1867 | High | 1,000 | 1,080 | 1945 |
| | | Low | Head | 225 | 1867 |
| Cattle on Feed | 1930 | High | 1,000 | 245 | 1973 |
| | | Low | Head | 57 | 1931 |
| Hogs & Pigs | 1867 | High | 1,000 | 1,397 | 1944 |
| | | Low | Head | 512 | 1935 |
| Sheep | 1867 | High | 1,000 | 3,100 | 1867 |
| | | Low | Head | 110 | [11] |
| Chickens (all) | 1924 | High | 1,000 | 15,512 | 1944 |
| | | Low | Head | 7,530 | 1963 |
| Turkeys (Breeder Hens) | 1930 | High | 1,000 | 143 | 1968 |
| | | Low | Head | 38 | [12] |
| Milk | 1924 | High | Mil. Lbs. | 5,758 | 1964 |
| | | Low | | 3,941 | 1927 |
| Eggs | 1924 | High | Mil. Eggs | 1,697 | 1944 |
| | | Low | | 1,104 | 1929 |
| Wool | 1934 | High | 1,000 Lbs. | 8,424 | 1934 |
| | | Low | | 823 | 1984 |

[6] 1960, 1961
[7] 1963, 1964, 1965, 1966, 1967
[8] 1973, 1974, 1975, 1976, 1977
[9] 1945, 1946
[10] Vines of bearing age
[11] 1983, 1984, 1985
[12] 1984, 1985

# Farm Labor

Starting with the April 1985 farm labor estimates, the Crop Reporting Board no longer publishes individual state data. Farm labor estimates will be published by region, in an effort to improve the quality, reliability and comparability with farm economic estimates. Michigan figures will be combined with those of Minnesota and Wisconsin to comprise the Lake Region farm labor estimates.

In an effort to provide data users with comparable historic information, we are providing July "Workers on Farms," "Hours Worked" and "Wage Rates" data covering the last five years for the Lake Region. A "Workers on Farms" table is also provided for April, 1985 showing how the Lake Region compares with other regions and the U.S.

## Hours Worked and Wage Rates, July[1]

| YEAR | Hours Worked Per Week | | | Wage Rates for All Hired Workers |
|---|---|---|---|---|
| | Self-employed | Unpaid | Hired | |
| | *Hours* | | | *Dollars Per Hour* |
| **1984** | **58.6** | **41.6** | **35.2** | **3.66** |
| 1983 | 57.1 | 42.6 | 34.0 | 3.52 |
| 1982 | 55.8 | 40.4 | 34.1 | 3.70 |
| 1981[2] | — | — | — | — |
| 1980 | [3] | [3] | 39.5 | 3.26 |

[1] Lake Region (MI, MN, WI).
[2] Survey not conducted July 1981.
[3] Data not comparable for current series.

## Workers on Farms, July[1]

| YEAR | All Farm Workers | Self-employed | Unpaid | Hired | | |
|---|---|---|---|---|---|---|
| | | | | Number of Workers | Expected to be Employed | |
| | | | | | 150 Days or More | 149 Days or Less |
| | | | *1,000* | | | |
| **1984** | **500** | **204** | **164** | **132** | **60** | **72** |
| 1983 | 468 | 199 | 147 | 122 | 49 | 73 |
| 1982 | 522 | 223 | 159 | 140 | 72 | 68 |
| 1981[2] | — | — | — | — | — | — |
| 1980 | 562 | [3] | [3] | 159 | [3] | [3] |

[1] Lake Region (MI, MN, WI).
[2] Survey not conducted July 1981.
[3] Data not comparable for current series.

## Wage Rates for Hired Workers, July[1]

| YEAR | Type of Work | | | | | Method of Pay | | |
|---|---|---|---|---|---|---|---|---|
| | Field | Livestock | Field & Livestock | Supervisory | Other | Hourly | Piece Rate | Other |
| | *Dollars Per Hour* | | | | | | | |
| **1984** | **3.72** | **3.10** | **3.53** | **5.73** | **3.68** | **3.72** | **3.69** | **3.41** |
| 1983 | 3.21 | 3.61 | 3.35 | 4.98 | 4.16 | 3.72 | 4.15 | 3.11 |
| 1982 | 3.47 | 3.73 | 3.57 | 5.34 | 3.94 | 3.56 | 3.98 | 3.84 |
| 1981[2] | — | — | — | — | — | — | — | — |
| 1980 | 3.23 | 2.75 | 3.01 | 5.26 | 3.73 | 3.43 | 3.46 | [3] |

[1] Lake Region (MI, MN, WI).
[2] Survey not conducted July 1981.
[3] Data not comparable for current series.

# Equine

In the fall of 1984 the Michigan Agricultural Reporting Service (MARS) conducted a survey of equine owners in Michigan. It was a multiple-frame probability survey designed to provide an accurate estimate of total equine in the State.

Based on the equine survey, there were 160,000 equine of all types in Michigan in October, 1984. That estimate was 11,000 below the 1971 estimate of Michigan equine. However, the number of horses was 20,000 higher in 1984 than in 1971. The count of ponies fell sharply while the tally of donkeys and mules stayed the same.

In 1984, light horses made up about 82 percent of the equine. Of the remainder, 13 percent were ponies, 4 percent were draft horses and 1 percent were donkeys and mules.

There were 39,000 places in Michigan that had equine. These in turn devoted 500,000 acres of land to raising equine. Horse farms, boarding, training, and riding stables, were the home of about 58,000 equine. Another 60,000 equine resided on general type farms. The remaining 42,000 were kept on non-farm residences.

Pleasure and trail riding were the primary uses of over half of Michigan's equine. The other primary uses in order were: show and 4-H, breeding and racing. The four most numerous breeds of light horse in order were: American Quarter horses, Standardbreds, Arabians, and Appaloosas. The average value of the State's 95,000 registered equine was $4,000 and the 65,000 nonregistered equine average $460 per head.

A forthcoming publication titled *MICHIGAN EQUINE SURVEY* has complete results of the 1984 survey. The results include estimates of equine by breed, breed descriptions, breeding and economic information and data on uses of equine. The bulletin, which will be photographically illustrated, is available from MARS upon request.

## Total Equine by Type

| TYPE | 1984 | 1971 |
|---|---|---|
| | *Head* | |
| All Horses | 137,000 | 113,000 |
| Light Horses | 131,000 | — |
| Draft Horses | 6,000 | — |
| Ponies | 21,000 | 56,000 |
| Donkeys & Mules | 2,000 | 2,000 |
| TOTAL EQUINE | 160,000 | 171,000 |

## Ponies by Breed

| BREED | Head | Percent of Total |
|---|---|---|
| Pony of the Americas | 1,600 | 7.6 |
| Shetland | 6,900 | 32.9 |
| Welsh | 4,500 | 21.4 |
| Grade or Unknown | 5,500 | 26.2 |
| Other Breeds | 2,500 | 11.9 |
| TOTAL | 21,000 | 100.0 |

## Light Horses by Breed

| BREED | Head | Percent of Total |
|---|---|---|
| American Saddlebred | 2,200 | 1.7 |
| American Quarter Horse | 41,500 | 31.7 |
| Appaloosa | 9,500 | 7.3 |
| Arabian | 14,000 | 10.7 |
| Half Arabian | 3,600 | 2.7 |
| Morgan | 5,300 | 4.0 |
| Paint | 2,100 | 1.6 |
| Palomino | 1,300 | 1.0 |
| Pinto | 1,600 | 1.2 |
| Standardbred | 19,000 | 14.5 |
| Tennessee Walking | 1,600 | 1.2 |
| Thoroughbred | 8,600 | 6.6 |
| Grade or Unknown | 18,000 | 13.7 |
| Other Breeds | 2,700 | 2.1 |
| TOTAL | 131,000 | 100.0 |

## Draft Horses by Breed

| BREED | Head | Percent of Total |
|---|---|---|
| Belgians | 3,700 | 61.7 |
| Percherons | 1,300 | 21.7 |
| Grade, Unknown & Other | 1,000 | 16.6 |
| TOTAL | 6,000 | 100.0 |

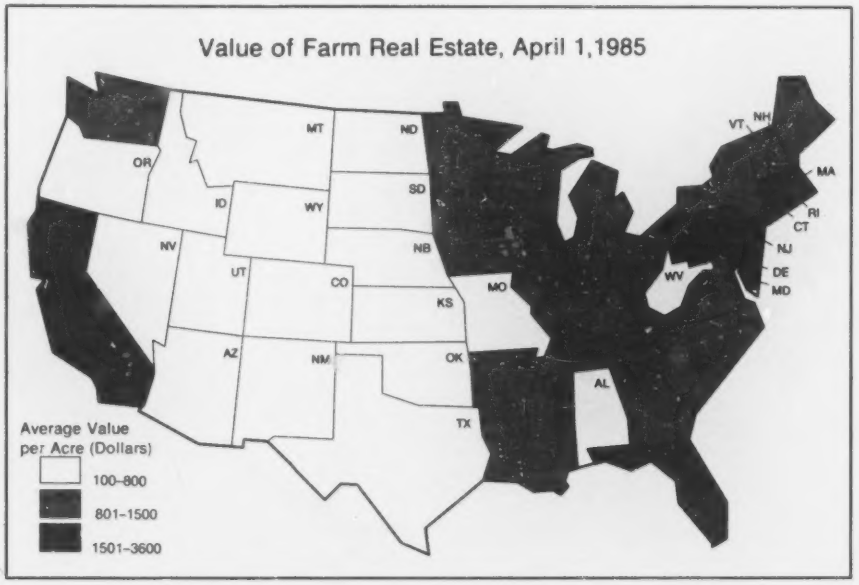
## Value of Farm Real Estate and Farm Population

| REGION/STATE | April 1 | | | | Farm Population 1980[2] | % of Total Population 1980 |
|---|---|---|---|---|---|---|
| | 1985 | 1984 | 1983 | 1982 | | |
| | *Dollars per Acre*[1] | | | | | |
| Northeast | | | | | | |
| Maine | **856** | 750 | 708 | 680 | 13,963 | 1.2 |
| New Hampshire | **1,419** | 1,244 | 1,174 | 1,136 | 6,640 | .7 |
| Vermont | **1,017** | 893 | 842 | 815 | 18,079 | 3.5 |
| Massachusetts | **2,372** | 2,081 | 1,963 | 1,874 | 9,839 | .2 |
| Rhode Island | **3,335** | 2,926 | 2,760 | 2,729 | 1,115 | .1 |
| Connecticut | **3,208** | 2,814 | 2,655 | 2,610 | 7,383 | .2 |
| New York | **808** | 842 | 817 | 821 | 123,109 | .7 |
| New Jersey | **3,525** | 3,234 | 3,140 | 3,181 | 18,984 | .3 |
| Pennsylvania | **1,510** | 1,642 | 1,520 | 1,513 | 158,183 | 1.3 |
| Delaware | **1,642** | 1,666 | 1,829 | 1,787 | 10,246 | 1.7 |
| Maryland | **2,097** | 2,185 | 2,121 | 2,376 | 44,934 | 1.1 |
| Lake States | | | | | | |
| Michigan | **1,052** | 1,223 | 1,223 | 1,278 | 177,591 | 1.9 |
| Wisconsin | **847** | 1,046 | 1,113 | 1,144 | 282,722 | 6.0 |
| Minnesota | **823** | 1,083 | 1,165 | 1,272 | 315,400 | 7.7 |
| Corn Belt | | | | | | |
| Ohio | **1,126** | 1,444 | 1,504 | 1,629 | 271,542 | 2.5 |
| Indiana | **1,259** | 1,594 | 1,610 | 1,804 | 276,154 | 5.0 |
| Illinois | **1,314** | 1,800 | 1,837 | 2,023 | 313,978 | 2.7 |
| Iowa | **1,064** | 1,499 | 1,684 | 1,889 | 391,070 | 13.4 |
| Missouri | **659** | 856 | 856 | 945 | 282,074 | 5.7 |
| Northern Plains | | | | | | |
| North Dakota | **360** | 439 | 439 | 455 | 103,881 | 15.9 |
| South Dakota | **250** | 338 | 348 | 349 | 112,854 | 16.3 |
| Nebraska | **444** | 617 | 701 | 730 | 178,113 | 11.3 |
| Kansas | **466** | 583 | 601 | 628 | 172,901 | 7.3 |
| Appalachian | | | | | | |
| Virginia | **1,091** | 1,114 | 1,125 | 1,096 | 113,115 | 2.1 |
| W. Virginia | **554** | 667 | 688 | 723 | 28,730 | 1.5 |
| North Carolina | **1,242** | 1,380 | 1,314 | 1,297 | 188,437 | 3.2 |
| Kentucky | **906** | 1,007 | 1,049 | 1,058 | 244,589 | 6.7 |
| Tennessee | **982** | 1,044 | 1,014 | 1,040 | 175,673 | 3.8 |
| Southeast | | | | | | |
| South Carolina | **899** | 927 | 946 | 980 | 53,595 | 1.7 |
| Georgia | **865** | 910 | 929 | 926 | 121,089 | 2.2 |
| Florida | **1,527** | 1,608 | 1,576 | 1,518 | 58,679 | .6 |
| Alabama | **769** | 809 | 826 | 885 | 87,757 | 2.3 |
| Delta States | | | | | | |
| Mississippi | **835** | 939 | 894 | 981 | 84,758 | 3.4 |
| Arkansas | **849** | 933 | 972 | 1,096 | 107,648 | 4.7 |
| Louisiana | **1,256** | 1,351 | 1,351 | 1,414 | 58,945 | 1.4 |
| Southern Plains | | | | | | |
| Oklahoma | **566** | 699 | 699 | 725 | 129,874 | 4.3 |
| Texas | **652** | 593 | 544 | 539 | 268,893 | 1.9 |
| Mountain States | | | | | | |
| Montana | **222** | 264 | 259 | 271 | 58,396 | 7.4 |
| Idaho | **749** | 814 | 814 | 839 | 69,129 | 7.3 |
| Wyoming | **177** | 197 | 193 | 193 | 19,407 | 4.1 |
| Colorado | **435** | 468 | 454 | 451 | 59,152 | 2.0 |
| New Mexico | **163** | 182 | 178 | 195 | 20,087 | 1.5 |
| Arizona | **265** | 295 | 289 | 302 | 13,770 | .5 |
| Utah | **514** | 571 | 560 | 589 | 18,372 | 1.3 |
| Nevada | **229** | 254 | 249 | 268 | 5,539 | .7 |

## Value of Farm Real Estate and Farm Population — Continued

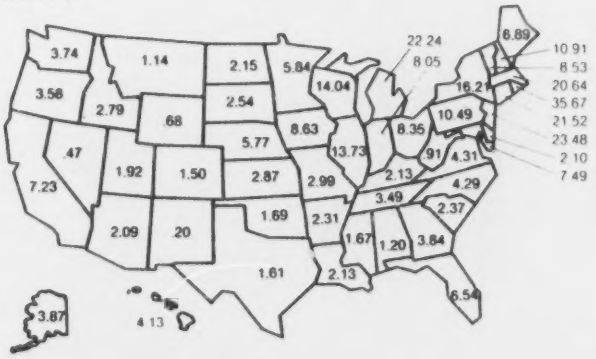
| REGION/STATE | April 1 | | | | Farm Population 1980[2] | % of Total Population 1980 |
|---|---|---|---|---|---|---|
| | **1985** | 1984 | 1983 | 1982 | | |
| | *Dollars per Acre*[1] | | | | | |
| Pacific States | | | | | | |
| Alaska | — | — | — | — | 822 | .2 |
| California | **1,726** | 1,918 | 1,918 | 1,900 | 176,460 | .7 |
| Hawaii | — | — | — | — | 4,523 | .5 |
| Oregon | **579** | 698 | 705 | 705 | 78,045 | 3.0 |
| Washington | **923** | 961 | 933 | 922 | 81,664 | 2.0 |
| United States | **679** | 782 | 788 | 823 | 5,617,903 | 2.5 |

[1] Average value per acre of land and buildings,by state, grouped by farm production region.
[2] Source: Bureau of the Census: U.S. Department of Commerce News.




### Farm Real Estate Taxes per Acre

Dollars




Average, 50 States: $4.14

1982 data.

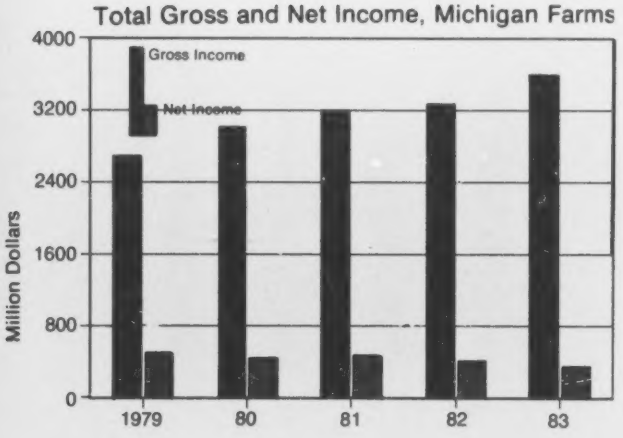
# Income, Prices And Energy

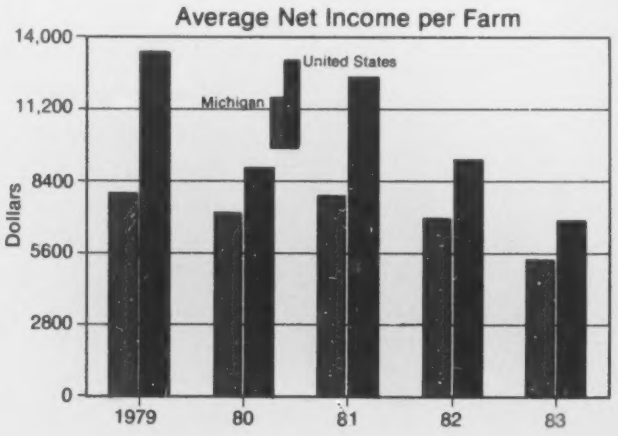
Cash receipts from 1984 marketings of crops, livestock and livestock products in Michigan, at nearly $2.8 billion, were down 7 percent from 1983. This was the first year to year decline in cash receipts since 1971. Crop cash receipts, $1.6 billion, were down 11 percent, while livestock receipts were down only 1 percent. Michigan placed 19th in the U.S. in total cash receipts during 1984. Michigan accounted for 2 percent of the Nation's total receipts. During 1983, Michigan placed 16th in cash receipts. Cash receipts statistics provide only a partial measure of gross farm income and do not reflect the net income earned by farmers. To arrive at net farm income, one must also consider farm production expenses, government payments, net changes in inventories of commodities held by farmers, the farm debt situation, and income from sources other than farm commodities.

Farm expense data for Michigan is not yet available for 1984. However, preliminary U.S. data shows that prices farmers paid for production inputs, interest, taxes and services increased only 2 percent in 1984. However, even this small increase, when combined with the lower returns farmers received for their crops and livestock, placed many farmers in very difficult cash flow situations. Production inputs showing the largest cost increases from 1983 to 1984 were seed, new autos and trucks, new tractors and farm machinery. Input costs showing little or no increase were feed, fuels and energy, building materials, and farm services and cash rents. Production inputs which showed cost decreases were feeder livestock, general farm supplies and motor supplies. Average taxes paid by farmers rose 6 percent and average interest costs went up 2 percent. Preliminary estimates placed U.S. net farm income for 1984 in the range of $29 to $33 billion.

# Farm Income

Statistics on 1984 Michigan net farm income will be published during fall 1985, too late for this issue of Michigan Agricultural Statistics. Net farm income (after adjusting for changes in farm inventories) for Michigan in 1983 fell to just over $347 million. This was the lowest net farm income in Michigan since 1971. Farm income consists of the following components: cash receipts from farm marketings, government payments, non-money income and other farm income. Non-money income allows for the rental value of farm dwellings and the value of farm products consumed on the farm. Other farm income includes cash income from sources such as recreation, machine hire, and custom work.



## Gross and Net Income, Michigan[1]

| ITEM | 1983 | 1982 | 1981 | 1980 | 1979 |
|---|---|---|---|---|---|
| | | | *Million Dollars* | | |
| Realized Gross Farm Income | | | | | |
| Cash receipts from farm marketings | **3,001.5** | 2,793.6 | 2,756.5 | 2,748.7 | 2,321.4 |
| Government payments | **140.9** | 40.4 | 17.3 | 10.7 | 15.6 |
| Non money income | **386.0** | 392.3 | 381.3 | 328.1 | 319.2 |
| Other farm income | **30.2** | 38.5 | 37.1 | 30.1 | 30.4 |
| Total gross farm income | **3,558.7** | 3,264.8 | 3,192.2 | 3,117.5 | 2,686.5 |
| Farm production expenses | **2,969.1** | 2,937.3 | 2,857.1 | 2,642.9 | 2,264.3 |
| Realized net farm income[2] | **589.5** | 327.5 | 335.1 | 474.6 | 422.5 |
| Net change in farm inventories | **−241.9** | 102.0 | 166.1 | −37.1 | 97.3 |
| Total net farm income | **347.6** | 429.5 | 501.2 | 437.5 | 519.8 |

[1] Items may not add to totals due to rounding.
[2] Does not take into account the net change in farm inventories.

## Income per Farm

| YEAR | Michigan | | | United States | | |
|---|---|---|---|---|---|---|
| | Realized Gross Income[1] | Realized Net Income[1] | Total Net Income[2] | Realized Gross Income[1] | Realized Net Income[1] | Total Net Income[2] |
| | *Dollars* | | | *Dollars* | | |
| **1983** | **55,604** | **9,212** | **5,431** | **68,839** | **11,747** | **6,793** |
| 1982 | 51,013 | 5,118 | 6,712 | 68,476 | 10,372 | 9,306 |
| 1981 | 49,111 | 5,155 | 7,711 | 65,729 | 9,483 | 12,723 |
| 1980 | 47,962 | 7,301 | 6,731 | 64,017 | 11,008 | 8,731 |
| 1979 | 40,705 | 6,402 | 7,876 | 59,784 | 11,226 | 13,259 |

[1] Excludes changes in inventories, and represents income of farm operators.
[2] Includes changes in inventories.

## Gross Farm Income By Source, Michigan[1]

| YEAR | Cash Income from Farm Marketing | | | Other Income | | |
|---|---|---|---|---|---|---|
| | Crops | Livestock and Livestock Products | Total | Government Payments | Other Sources[2] | Total Gross Farm Income |
| | | | *Million Dollars* | | | |
| **1984** | **1,560.1** | **1,233.8** | **2,793.9** | [3] | [3] | [3] |
| 1983 | 1,758.5 | 1,243.0 | 3,001.5 | 140.9 | 416.2 | 3,558.7 |
| 1982 | 1,623.1 | 1,170.6 | 2,793.6 | 40.4 | 430.8 | 3,264.8 |
| 1981 | 1,644.6 | 1,111.9 | 2,756.5 | 17.3 | 418.4 | 3,192.2 |
| 1980 | 1,611.2 | 1,137.5 | 2,748.7 | 10.7 | 358.2 | 3,117.5 |

[1] Items may not add to totals due to rounding.
[2] Includes cash income from sources such as recreation, machine hire, custom work and non money income from rental value of farm dwellings and value of farm products consumed directly on farms.
[3] Not available at time of publication.

## Cash Receipts from Marketings, Michigan

| PRODUCT | 1983 | 1982 | 1981 | 1980 | 1979 |
|---|---|---|---|---|---|
| | | | *1,000 Dollars* | | |
| LIVESTOCK & PRODUCTS TOTAL | **1,242,987** | 1,170,564 | 1,111,895 | 1,137,485 | 1,003,800 |
| Dairy | **739,946** | 703,906 | 693,961 | 647,491 | 571,725 |
| Cattle & Calves | **252,844** | 234,484 | 183,207 | 257,567 | 208,565 |
| Hogs | **149,086** | 131,029 | 129,020 | 135,678 | 124,490 |
| Eggs | **62,443** | 64,175 | 68,670 | 57,760 | 61,336 |
| Sheep & Lambs | **2,778** | 3,851 | 3,332 | 5,439 | 4,116 |
| All Chickens | **3,559** | 3,041 | 3,366 | 3,640 | 5,438 |
| Turkeys | **16,800** | 14,924 | 16,523 | 16,588 | 14,040 |
| Other Livestock | **15,531** | 15,154 | 13,816 | 13,322 | 14,090 |
| CROPS TOTAL | **1,758,474** | 1,623,084 | 1,644,633 | 1,611,153 | 1,317,666 |
| Field Crops & Vegetables: | | | | | |
| Corn | **543,223** | 519,740 | 446,169 | 511,355 | 318,719 |
| Dry Edible Beans | **119,750** | 114,148 | 221,321 | 149,250 | 111,234 |
| Soybeans | **169,767** | 202,693 | 156,402 | 227,372 | 194,586 |
| Sugarbeets | **70,741** | 66,337 | 53,795 | 77,004 | 60,295 |
| Wheat | **139,435** | 76,688 | 136,013 | 121,899 | 102,468 |
| Potatoes | **57,808** | 39,030 | 47,343 | 52,606 | 38,256 |
| Hay | **38,868** | 36,909 | 30,116 | 20,210 | 23,267 |
| Oats | **20,526** | 20,571 | 27,765 | 22,011 | 16,635 |
| Mushrooms | **15,658** | 13,446 | 16,319 | 13,049 | 9,060 |
| Mint | **1,536** | 1,788 | 1,329 | 1,498 | 1,475 |
| Red Clover Seed | [1] | [1] | 561 | 580 | 745 |
| Rye | **835** | 1,047 | 868 | 866 | 984 |
| Barley | **1,996** | 2,372 | 1,788 | 1,332 | 1,315 |
| Vegetables | **165,962** | 154,739 | 151,189 | 123,228 | 118,911 |
| Other Crops | **12,943** | 12,911 | 9,913 | 10,494 | 11,381 |
| Fruit: | | | | | |
| Apples | **68,634** | 57,744 | 75,031 | 48,174 | 75,204 |
| Blueberries | [2] | [2] | 26,572 | 16,400 | 16,164 |
| Cherries | **50,775** | 36,805 | 49,334 | 40,593 | 59,359 |
| Grapes | **15,477** | 11,710 | 13,296 | 11,825 | 13,810 |
| Peaches | **11,040** | 10,346 | 6,624 | 7,584 | 6,693 |
| Strawberries | **8,412** | 11,476 | 8,296 | 7,001 | 10,041 |
| Pears | **1,804** | 2,334 | 1,924 | 2,141 | 1,703 |
| Plums & Prunes | **2,590** | 2,808 | 2,206 | 2,550 | 2,848 |
| Other Fruit | **30,694**[3] | 24,442[3] | 1,108 | 1,030 | 971 |
| Other Products: | | | | | |
| Forest & Maple | **39,000**[4] | 38,000[4] | 38,651 | 31,334 | 16,475 |
| Greenhouse, Nursery | **171,000** | 165,000 | 110,200 | 109,767 | 105,067 |
| ALL COMMODITIES | **3,001,461** | 2,793,648 | 2,756,528 | 2,748,638 | 2,321,466 |
| GOVERNMENT PAYMENTS | **140,936** | 40,417 | 17,263 | 10,666 | 15,593 |
| TOTAL | **3,142,397** | 2,834,065 | 2,773,791 | 2,759,304 | 2,337,059 |

[1] Included in other crops.
[2] Included in other fruit.
[3] Includes Blueberries.
[4] Forest Products only. Maple products now included in other crops.

## Government Payments, Michigan

| PROGRAM | 1983 | 1982 | 1981 | 1980 | 1979 |
|---|---|---|---|---|---|
| | | | *1,000 Dollars* | | |
| Conservation Programs | **3,684** | 4,181 | 4,476 | 4,077 | 3,753 |
| Wheat Programs | **7,762** | 3,970 | 4,117 | 242 | 200 |
| Feed Grain Programs | **37,134** | 13,562 | 2,457 | 3,428 | 9,115 |
| Drought and Flood Programs | [1] | [1] | [1] | [1] | 36 |
| Misc. Programs[2] | **92,356**[3] | 18,704 | 6,213 | 2,919 | 2,489 |
| TOTAL | **140,936** | 40,417 | 17,263 | 10,666 | 15,593 |

[1] Payments for Drought and Flood Programs now included in conservation programs.
[2] Includes Wool Act, Milk Indemnity, Potato Diversion, Forest Incentive, Water and Lakes, Emergency Livestock Feed and Extended Storage Programs.
[3] Includes Payment-In-Kind (PIK) Program Payments.

# Prices Received by Farmers

## Prices Received for Field Crops

| YEAR[1] AND MONTH | Corn per Bu. | Wheat per Bu. | Oats per Bu. | Soy-Beans per Bu. | Dry Beans per Cwt. | Navy Beans per Cwt. | Potatoes per Cwt. | All Hay per Ton | Alfalfa Hay per Ton |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | *Dollars* | | | | |
| **1984 January** | **3.09** | **3.26** | **2.22** | **7.61** | **23.90** | **23.20** | **6.60** | **63.00** | **75.00** |
| **February** | **3.08** | **3.24** | **2.20** | **7.10** | **20.10** | **19.40** | **8.10** | **58.00** | **75.00** |
| **March** | **3.27** | **3.30** | **2.12** | **7.64** | **22.40** | **19.60** | **8.30** | **61.00** | **58.00** |
| **April** | **3.32** | **3.43** | **2.08** | **7.74** | **20.30** | **20.00** | **8.70** | **68.00** | **65.00** |
| **May** | **3.41** | **3.40** | **2.20** | **8.20** | **22.00** | **21.20** | **7.80** | **68.00** | **70.00** |
| **June** | **3.47** | **3.36** | **2.04** | **7.70** | **20.90** | **20.90** | **7.60** | **51.00** | **71.00** |
| **July** | **3.42** | **3.14** | **1.85** | **6.77** | **21.30** | **21.10** | **9.50** | **48.00** | **56.00** |
| **August** | **3.16** | **3.18** | **1.84** | **6.28** | **21.00** | **21.10** | **8.00** | **48.00** | **50.00** |
| **September** | **3.05** | **3.20** | **1.82** | **6.13** | **20.40** | **20.13** | **5.00** | **52.00** | **55.00** |
| **October** | **2.67** | **3.20** | **1.83** | **6.30** | **21.80** | **21.60** | **5.15** | **48.00** | **55.00** |
| **November** | **2.58** | **3.30** | **1.89** | **6.04** | **18.80** | **20.14** | **4.90** | **60.00** | **50.00** |
| **December** | **2.48** | **3.17** | **1.87** | **5.74** | **20.20** | **18.96** | **4.75** | **48.00** | **58.00** |
| **1984[2]** | **2.60** | **3.20** | **1.85** | **5.90** | **20.00** | **19.70** | **5.60** | **52.00** | **53.00** |
| 1983 | 3.20 | 3.40 | 1.83 | 7.82 | 23.20 | 21.50 | 6.60 | 57.50 | 62.00 |
| 1982 | 2.55 | 3.33 | 1.49 | 5.46 | 13.70 | 13.70 | 4.65 | 54.50 | 58.00 |
| 1981 | 2.39 | 3.47 | 1.97 | 6.02 | 25.60 | 25.90 | 6.30 | 56.50 | 63.00 |
| 1980 | 3.05 | 3.60 | 1.85 | 7.47 | 26.40 | 28.50 | 6.65 | 36.50 | 39.00 |

[1] Marketing year.
[2] Preliminary.

## Index of Prices Received for Crop Commodity Groups (1977 = 100)

| YEAR OR MONTH | Crops | | | | |
|---|---|---|---|---|---|
| | All Crops | Cash Field | Fruit | Vegetables | Feed Crops |
| **1984 January** | **139** | **145** | **113** | **116** | **146** |
| **February** | **138** | **140** | **115** | **123** | **146** |
| **March** | **140** | **148** | **115** | **136** | **143** |
| **April** | **143** | **146** | **115** | **141** | **151** |
| **May** | **146** | **151** | **115** | **141** | **154** |
| **June** | **146** | **146** | **116** | **141** | **155** |
| **July** | **141** | **152** | **112** | **161** | **139** |
| **August** | **132** | **141** | **118** | **124** | **132** |
| **September** | **126** | **125** | **117** | **105** | **132** |
| **October** | **114** | **127** | **85** | **98** | **117** |
| **November** | **115** | **122** | **82** | **95** | **123** |
| **December** | **110** | **123** | **85** | **96** | **112** |
| **1984** | **133** | **139** | **107** | **123** | **138** |
| 1983 | 119 | 127 | 86 | 83 | 129 |
| 1982 | 118 | 127 | 109 | 121 | 115 |
| 1981 | 132 | 160 | 107 | 137 | 121 |
| 1980 | 126 | 131 | 134 | 104 | 122 |
| 1947-1949 | 55 | 65 | 41 | 34 | 73 |
| 1935-1939 | 21 | 25 | 17 | 13 | 31 |
| 1910-1914 | 22 | 25 | 17 | — | 39 |

## Prices Received for Livestock and Livestock Products

| YEAR AND MONTH | Hogs per Cwt.[1] | Beef Cattle per Cwt.[2] | Cows per Cwt[3] | Steers & Heifers per Cwt. | Milk Cows per Head[4] | Calves per Cwt. | Eggs per Doz. | All Milk Wholesale per Cwt. |
|---|---|---|---|---|---|---|---|---|
| | | | *Dollars* | | | | *Cents* | *Dollars* |
| **1984 January** | **44.20** | **46.20** | **36.10** | **57.60** | **880** | **51.70** | **85** | **13.90** |
| **February** | **48.80** | **46.40** | **39.70** | **56.30** | **—** | **58.20** | **75** | **13.60** |
| **March** | **45.30** | **51.10** | **43.40** | **58.90** | **—** | **60.20** | **66** | **13.50** |
| **April** | **45.60** | **50.90** | **42.50** | **57.60** | **910** | **59.40** | **83** | **13.30** |
| **May** | **46.40** | **49.00** | **41.30** | **55.60** | **—** | **56.20** | **52** | **13.20** |
| **June** | **47.00** | **51.30** | **41.70** | **56.80** | **—** | **58.70** | **45** | **13.00** |
| **July** | **48.80** | **49.60** | **39.10** | **57.20** | **940** | **53.30** | **47** | **13.00** |
| **August** | **50.60** | **48.70** | **38.40** | **56.10** | **—** | **51.50** | **44** | **13.10** |
| **September** | **49.20** | **46.70** | **36.00** | **55.30** | **—** | **53.00** | **45** | **13.50** |
| **October** | **45.50** | **46.50** | **36.10** | **54.10** | **930** | **52.00** | **42** | **14.00** |
| **November** | **43.80** | **46.40** | **34.70** | **56.60** | **—** | **48.00** | **50** | **14.40** |
| **December** | **47.80** | **47.50** | **35.80** | **56.20** | **—** | **47.30** | **43** | **13.90** |
| **1984** | **46.80** | **48.20** | **38.50** | **56.50** | **915** | **54.10** | **60** | **13.50** |
| 1983 | 47.00 | 47.20 | 39.10 | 54.30 | 1,070 | 57.00 | 52 | 13.60 |
| 1982 | 52.50 | 48.00 | 39.30 | 55.80 | 1,150 | 57.20 | 51 | 13.60 |
| 1981 | 43.70 | 49.50 | 41.30 | 56.20 | 1,280 | 65.20 | 54 | 13.80 |
| 1980 | 38.80 | 55.90 | 47.40 | 62.90 | 1,230 | 82.50 | 48 | 13.20 |

[1] Prices pertain to the marketing year, previous December through November.
[2] Combined price for "cows" and "Steers and Heifers".
[3] Beef cows sold for slaughter and herd replacement, and cull dairy cows sold for slaughter.
[4] Sold for dairy herd replacement only. Price series changed to quarterly, January 1982.

## Index of Prices Received for Livestock Commodity Groups (1977 = 100)

| YEAR OR MONTH | Livestock | | | | ALL LIVESTOCK AND CROPS |
|---|---|---|---|---|---|
| | All Livestock | Dairy Products | Meat Animals | Poultry and Eggs | |
| **1983 January** | **142** | **143** | **133** | **171** | **140** |
| **February** | **138** | **140** | **130** | **161** | **138** |
| **March** | **138** | **140** | **139** | **119** | **139** |
| **April** | **139** | **138** | **140** | **151** | **142** |
| **May** | **134** | **137** | **136** | **105** | **141** |
| **June** | **134** | **135** | **142** | **91** | **140** |
| **July** | **134** | **135** | **141** | **95** | **138** |
| **August** | **133** | **136** | **138** | **89** | **132** |
| **September** | **133** | **140** | **131** | **91** | **129** |
| **October** | **134** | **144** | **129** | **85** | **123** |
| **November** | **139** | **148** | **132** | **101** | **126** |
| **December** | **134** | **138** | **137** | **87** | **121** |
| **1984** | **136** | **140** | **136** | **112** | **134** |
| 1983 | 135 | 141 | 132 | 108 | 126 |
| 1982 | 138 | 141 | 142 | 99 | 127 |
| 1981 | 138 | 143 | 135 | 109 | 135 |
| 1980 | 138 | 143 | 142 | 120 | 135 |
| 1947-1949 | 55 | 45 | 57 | 113 | 55 |
| 1935-1939 | 23 | 19 | 21 | 55 | 23 |
| 1910-1914 | 19 | 16 | 17 | 49 | 20 |

# Farm Expenses

Farm expenditures in the Lake States Region (Michigan, Minnesota, Wisconsin) for 1984 totaled $15.55 billion, up less than 1 percent from the 1983 expenditure of 15.46 billion. Of the 15 major categories, expenditures increased in 6 while 9 declined. The increases more than outweighed the declines, however, as total farm expenditures only rose slightly above the previous year's levels. Outlays for livestock and poultry, agricultural chemicals, seeds and plant purchases, and fertilizer, lime and soil conditioners showed the largest increases. Decreased spending for farm machinery, farm supplies, auto and trucks, and farm labor were only partially offsetting.

In 1984, expenditures for farm services, interest and feed took the biggest bites out of the farmers' dollar in the Lake States Region. They accounted for 16.3, 12.8, and 12.5 percent, respectively of the total farm production expenditures. Nationally, the Lake States Region placed third in total farm production expenditures among the ten national regions.

Production Expenditures

Interest and Taxes 16.5%
Seeds, Plants, Fertilizer and Chemicals 14.2%
Feed 12.5%
Farm Services 16.3%
Farm Improvement 4.6%
Building, Fencing and
Farm and Motor Supplies 5.2%
Fuels and Energy 7.1%
Autos, Trucks,Tractors and Machinery 7.7%
Wages and Contract Labor 5.9%
Livestock and Poultry 10%

## Farm Production Expenditures for the Lake States

| EXPENDITURES[1] | 1984 Total Expenditures | 1984 Average Per Farm | 1983 Total Expenditures | 1983 Average Per Farm | 1982 Total Expenditures | 1982 Average Per Farm |
|---|---|---|---|---|---|---|
| | *Million Dollars* | *Dollars* | *Million Dollars* | *Dollars* | *Million Dollars* | *Dollars* |
| Total Farm Production Expenditures[2] | **15,552** | **62,206** | 15,460 | 59,923 | 14,180 | 54,539 |
| Livestock & Poultry | **1,563** | **6,253** | 941 | 3,646 | 1,127 | 4,334 |
| Farm Services[3] [4] | **2,539** | **10,155** | 2,454 | 9,513 | 1,990 | 7,653 |
| Wages & Contract Labor | **920** | **3,680** | 1,057 | 4,097 | 984 | 3,786 |
| Feed | **1,947** | **7,788** | 2,073 | 8,035 | 1,679 | 6,459 |
| Interest[5] | **1,994** | **7,976** | 1,985 | 7,693 | 1,884 | 7,246 |
| Fertilizer, Lime & Soil Conditioners | **1,109** | **4,437** | 963 | 3,733 | 977 | 3,756 |
| Fuels & Energy | **1,105** | **4,421** | 1,215 | 4,709 | 1,152 | 4,430 |
| Building, Fencing & Farm Improvements | **709** | **2,834** | 799 | 3,095 | 750 | 2,885 |
| Farm & Motor Supplies | **805** | **3,218** | 1,036 | 4,015 | 962 | 3,700 |
| Tractor & Self Propelled Machinery | **504** | **2,015** | 535 | 2,073 | 538 | 2,069 |
| Seeds & Plants Purchased[6] | **575** | **2,301** | 479 | 1,856 | 485 | 1,865 |
| Other Farm Machinery and Equipment | **458** | **1,833** | 636 | 2,464 | 568 | 2,186 |
| Taxes[5] | **571** | **2,285** | 603 | 2,336 | 472 | 1,817 |
| Autos, Trucks & Other Vehicles | **230** | **922** | 286 | 1,108 | 206 | 792 |
| Agricultural Chemicals[7] | **520** | **2,082** | 398 | 1,543 | 405 | 1,558 |

[1] Farm Share.
[2] Totals may not add due to rounding.
[3] Excludes veternarian fees, medicines and breeding fees.
[4] Includes registration and license fees.
[5] Landlord expenditures for real estate interest and taxes excluded.
[6] Excludes bedding plants and nursery stocks purchased for immediate resale.
[7] Includes seed treatments.

## Prices Paid by Michigan Farmers: Annual Averages

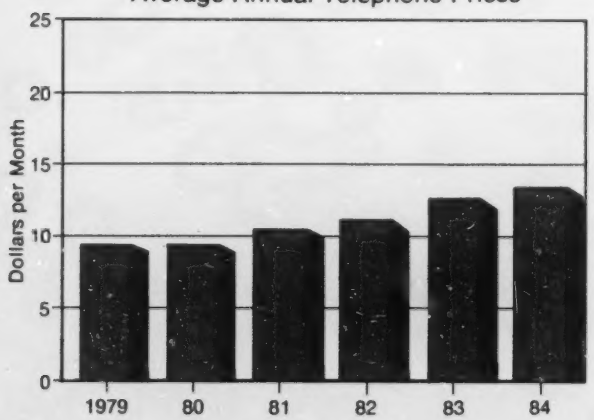
| COMMODITY | Unit | 1984 | 1983 | 1982 | 1981 | 1980 |
|---|---|---|---|---|---|---|
| | | | | *Dollars* | | |
| BUILDING MATERIALS: | | | | | | |
| Framing lumber, 2" × 4" fir | M bd. ft. | **363.00** | 383.00 | 370.00 | 396.00 | 370.00 |
| Shingles, asphalt, 3 in 1 | Sq. | **27.00** | 27.00 | 27.50 | 29.00 | 29.00 |
| Roofing, gal. steel, 28-29 Ga. | 100 sq. ft. | **44.00** | 48.00 | 47.50 | 47.00 | 43.00 |
| Nails, 8d, common | Lb. | **.700** | .715 | .805 | .775 | .708 |
| Plywood, ½" C-D-X, 4'×8' | Sheet | **9.15** | 9.45 | 8.85 | 10.05 | 10.50 |
| Insulating sheathing, ½", 4'×8' | Sheet | **4.30** | 4.30 | 4.10 | 4.20 | 3.55 |
| Portland cement, 94 lb. | Bag | **5.65** | 5.90 | 5.55 | 5.52 | 5.13 |
| Paint, exterior | Gal. | **16.65** | 18.50 | 18.85 | 17.75 | 15.40 |
| FENCING: | | | | | | |
| Barbed wire, 4 pt., 80 rds | Spool | **41.00** | 42.75 | 39.75 | 37.50 | 39.90 |
| Woven wire, 32" high, 20 rds. | Roll | **75.50** | 81.75 | 71.75 | 72.25 | 75.25 |
| Post, wood | Ea. | **3.85** | 3.60 | 3.45 | 3.72 | 3.12 |
| Post, steel | Ea. | **3.10** | 3.30 | 3.00 | 3.20 | 3.00 |
| FEEDS: | | | | | | |
| Chick starter | Ton | **255.00** | 245.00 | 225.00 | 250.00 | 230.00 |
| Laying feed | Ton | **205.00** | 210.00 | 193.00 | 198.00 | 192.00 |
| Dairy feed, 16% | Ton | **200.00** | 194.00 | 178.00 | 207.00 | 189.00 |
| Hog feed, 14-18% | Cwt. | **10.60** | 10.25 | 9.50 | 10.90 | 9.75 |
| Hog conc., 38-42% | Cwt. | **15.70** | 15.80 | 14.70 | 15.90 | 15.40 |
| Beef cattle conc., 32-36% | Cwt. | **13.90** | 14.70 | 13.80 | 14.00 | 13.00 |
| Soybean meal, 44% | Cwt. | **12.80** | 14.20 | 13.30 | 15.40 | 14.00 |
| Stock salt | Cwt. | **8.10** | 8.00 | 7.60 | 7.10 | 6.30 |
| MOTOR SUPPLIES: | | | | | | |
| Gasoline, regular, bulk | Gal. | **1.179** | 1.189 | 1.228 | 1.275 | 1.17 |
| Diesel fuel | Gal. | **1.072** | 1.056 | 1.157 | 1.199 | .998 |
| Motor oil, HD, detergent | Gal. | **4.05** | 4.20 | 4.35 | 4.10 | 3.88 |
| Grease, 35 lb. | Pail | **29.90** | 29.75 | 28.90 | 28.15 | 24.60 |
| Truck tire, 7.00-15, 6 ply | Ea. | **59.00** | 63.75 | 65.75 | 60.75 | 59.00 |
| Truck tire, 9.00-20, 10 ply | Ea. | **162.50** | 188.75 | 190.00 | 177.50 | 156.50 |
| Tractor tire, 15.5-38, 6 ply | Ea. | **253.75** | 293.75 | 300.00 | 280.00 | 267.50 |
| Tractor tire, 18.4-34, 6 ply | Ea. | **321.25** | 372.50 | 371.00 | 365.00 | 341.00 |
| Spark plugs | Ea. | **1.55** | 1.70 | 1.70 | 1.70 | 1.52 |
| FARM MACHINERY: | | | | | | |
| Tractors: 30-39 hp. | Ea. | **12,200** | 11,800 | 12,200 | 10,800 | 10,100 |
| 50-59 hp. | Ea. | **17,300** | 17,200 | 16,200 | 14,700 | 13,500 |
| 110-129 hp. | Ea. | **43,300** | 40,200 | 36,000 | 34,700 | 31,200 |
| 170-240 hp. 4-wd. | Ea. | **79,500** | 79,000 | 71,300 | 65,700 | 59,000 |
| Farm wagon[1] | Ea. | **1,750** | 1,800 | 1,800 | 1,750 | 1,350 |
| Manure spreader, 141-190 bu.[2] | Ea. | **5,300** | 5,000 | 4,400 | 4,250 | 3,550 |
| Corn planter, 4-row[3] | Ea. | **8,900** | 8,400 | 7,000 | 6,100 | 5,600 |
| Mower, 7 ft. | Ea. | **2,300** | 2,200 | 2,300 | 1,850 | 1,800 |
| Pick-up baler, pto | Ea. | **8,000** | 8,000 | 6,800 | 5,900 | 5,500 |
| Plows, 1-way: 3 bottom | Ea. | **2,500** | 2,400 | 2,100 | 2,100 | 2,025 |
| 5 bottom | Ea. | **7,850** | 8,800 | 7,600 | 6,700 | 5,850 |
| 7 bottom | Ea. | **12,300** | 12,500 | 11,300 | 10,000 | 8,350 |
| Disc harrow, tandem: 15-17 ft. | Ea. | **7,650** | 7,400 | 6,150 | 5,850 | 6,000 |
| Grain drill, 15-17 tube | Ea. | **4,250** | 4,075 | 4,100 | 3,800 | 3,600 |
| Cultivators, mounted: 4-row | Ea. | **2,100** | 2,200 | 2,350 | 2,150 | 1,900 |
| 6-row | Ea. | **2,800** | 3,000 | 3,000 | 2,700 | 2,550 |

## Prices Paid by Michigan Farmers: Annual Averages — Continued

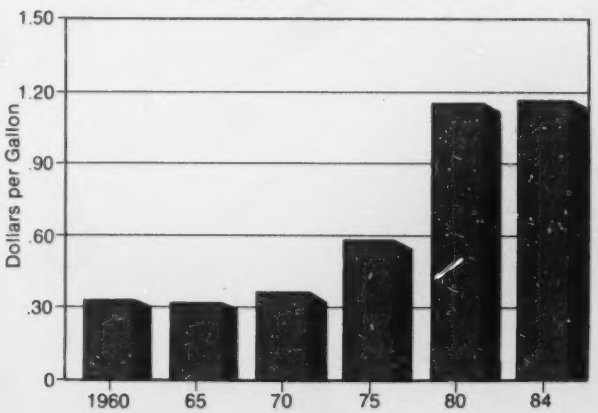
| COMMODITY | Unit | 1984 | 1983 | 1982 | 1981 | 1980 |
|---|---|---|---|---|---|---|
| | | | | *Dollars* | | |
| FERTILIZERS: | | | | | | |
| 5-20-20 | Ton | **164.00** | 156.00 | 170.00 | 173.00 | 178.00 |
| 6-24-24 | Ton | **201.00** | 190.00 | 201.00 | 210.00 | 209.00 |
| 12-12-12 | Ton | **165.00** | 154.00 | 174.00 | 175.00 | 171.00 |
| 10-34-0 | Ton | **251.00** | 238.00 | 258.00 | 271.00 | 258.00 |
| 18-46-0 | Ton | **256.00** | 236.00 | 250.00 | 255.00 | 283.00 |
| Ammonium Nitrate, 33.5% N | Ton | **223.00** | 190.00 | 194.00 | 188.00 | 174.00 |
| Anhydrous Ammonia | Ton | **283.00** | 238.00 | 253.00 | 254.00 | 234.00 |
| Urea, 45-46% N | Ton | **231.00** | 201.00 | 220.00 | 246.00 | 232.00 |
| Nitrogen solution, 28% | Ton | **140.00** | 131.00 | 136.00 | 136.00 | 131.00 |
| Super Phosphate, 46% | Ton | **216.00** | 201.00 | 209.00 | 228.00 | 242.00 |
| Muriate of Potash, 60% | Ton | **130.00** | 126.00 | 136.00 | 141.00 | 135.00 |
| Limestone | Ton | **16.75** | 15.60 | 14.75 | 14.60 | 15.50 |
| PESTICIDES: | | | | | | |
| 2, 4-D, 4 lb./gal. emul. | 5 gal. | **48.75** | 55.00 | 57.00 | 55.00 | 59.00 |
| Atrazine, WP, 80% | 5 lb. | **8.60** | 9.65 | 10.25 | 10.75 | 9.00 |
| Sevin, WP, 80% | 10 lb. | **26.75** | 29.00 | 25.75 | 23.50 | 22.00 |
| Lasso, 4 lb./gal. emul. | 5 gal. | **98.50** | 98.00 | 93.00 | 84.50 | 79.50 |
| Dyfonate, gran. 20% | 50 lb. | **83.00** | [4] | [4] | [4] | [4] |
| Bladex, 4 lb./gal. liquid | Gal. | **17.00** | [4] | [4] | [4] | [4] |
| Dual, 8 lb./gal. emul. | Gal. | **47.25** | [4] | [4] | [4] | [4] |
| Treflan, 4 lb./gal. emul. | 5 gal. | **133.00** | 163.00 | 173.00 | 165.00 | 143.00 |
| UTILITIES: | | | | | | |
| Electricity | Kw-hr. | **.071** | .069 | .065 | .057 | .056 |
| Telephone, Local Service | Month | **13.30** | 12.90 | 11.60 | 10.60 | 9.00 |
| LP Gas | Gal. | **.757** | .789 | .723 | .733 | .632 |

[1] Gravity unload, less tires.
[2] Conveyor type, pto, 2-wheel.
[3] With fertilizer attachment.
[4] Not available.

Average Annual Telephone Prices




Average Annual Gas Prices



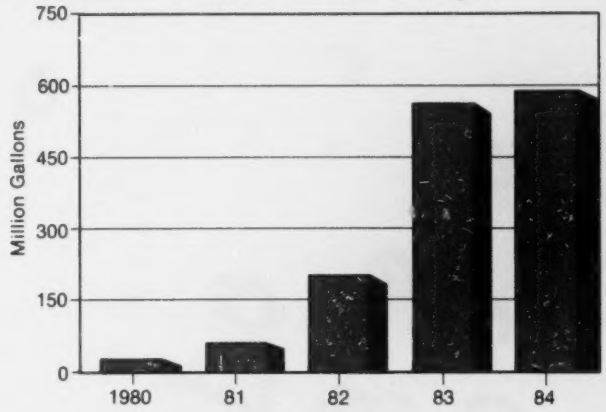
# Energy

## Gasohol Sold in Michigan

| MONTHS | 1985 | 1984 | 1983 | 1982 | 1981 |
|---|---|---|---|---|---|
| | | | *1,000 Gallons* | | |
| January | **46,481** | 36,656 | 27,091 | 7,732 | 3,619 |
| February | **40,979** | 45,887 | 24,763 | 6,913 | 3,756 |
| March | **42,723** | 39,274 | 28,765 | 10,192 | 4,492 |
| April | **42,394** | 55,066 | 47,935 | 9,027 | 3,009 |
| May | **45,807** | 50,558 | 64,206 | 7,735 | 6,014 |
| June | | 58,436 | 68,160 | 11,374 | 5,746 |
| July | | 45,892 | 69,247 | 13,907 | 6,412 |
| August | | 50,823 | 63,614 | 20,404 | 6,862 |
| September | | 44,058 | 43,312 | 21,775 | 6,269 |
| October | | 28,951 | 40,573 | 39,605 | 5,227 |
| November | | 53,910 | 42,193 | 26,218 | 7,473 |
| December | | 48,211 | 46,132 | 31,912 | 7,651 |
| TOTAL | | 577,721 | 565,991 | 206,794 | 66,530 |

Source: Department of Treasury.

Gasohol Sales in Michigan



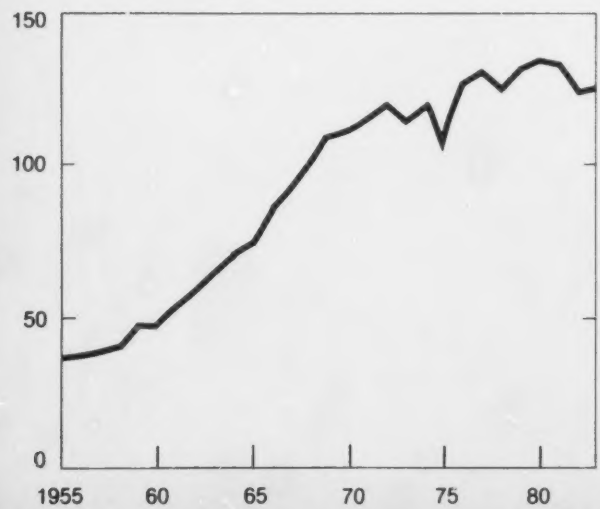

## Commercial Fertilizer Usage, Michigan

| YEAR[1] | Kind of Fertilizer: Mixtures | Kind of Fertilizer: Direct Application Materials Primary Nutrients | Kind of Fertilizer: Total[2] | Primary Nutrients: Total Nitrogen | Primary Nutrients: Available Phosphoric Acid | Primary Nutrients: Potash | Primary Nutrients: Total NPK[3] |
|---|---|---|---|---|---|---|---|
| | *Tons* | | | *Nutrient Tons* | | | |
| **1984** | **691,210** | **793,379** | **1,513,361** | **216,729** | **125,315** | **173,415** | **515,459** |
| 1983 | 562,706 | 575,150 | 1,148,652 | 205,412 | 144,367 | 225,322 | 575,101 |
| 1982 | 664,780 | 679,070 | 1,349,329 | 258,695 | 178,808 | 244,206 | 681,709 |
| 1981 | 680,086 | 709,215 | 1,393,553 | 260,136 | 176,515 | 264,912 | 701,563 |
| 1980 | 669,363 | 597,254 | 1,272,556 | 236,458 | 163,382 | 243,465 | 643,305 |

[1] Years' end June 30.
[2] Total includes micronutrients not listed separately.
[3] The sums of individual items may not equal totals due to rounding.

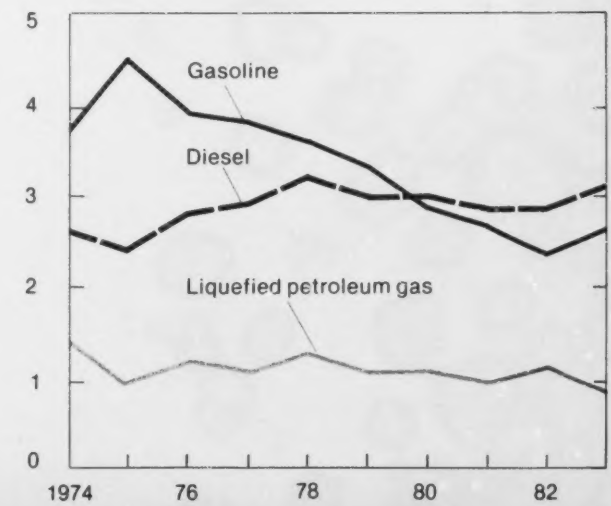
### Fertilizer Nutrients Used per Acre, U.S.

Pounds per cropland acre




### Farm Fuel Use, U.S.

Billion gallons



# FIELD CROPS

## General Information

Production of field crops for food and livestock feed are the nucleus of Michigan's agricultural industry. A large share of Michigan's farm income is derived from cash crop sales. Many farmers also produce crops which they utilize as feed in their livestock operations. During 1984 corn and wheat acreage returned to near normal levels following the 1983 PIK (Payment In Kind) program. The lack of timely rains during the critical development stages stressed most row crops and reduced yields to the lowest level in many years. Most seriously affected were corn for grain, soybean and dry bean yields. Small grains on the other hand benefitted from adequate moisture early in the season and record high yields were noted for winter wheat and barley.

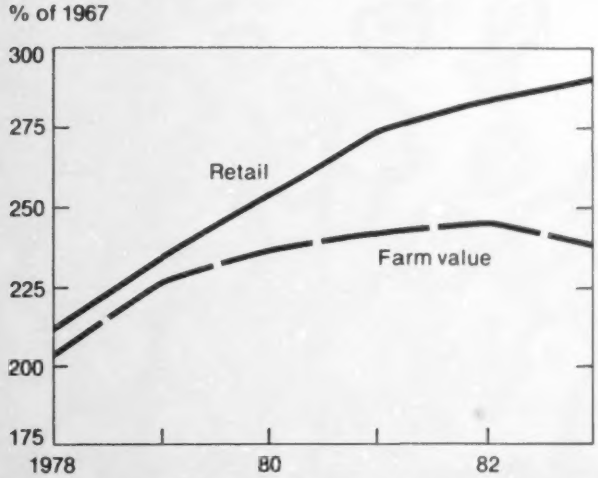
The 1984 planting season got off to a slow start but was completed nearly on schedule. Below normal temperatures during May slowed early season crop growth and development. Rainfall during June was very limited and most crops had encountered some stress by early July. Rainfall remained spotty during July and August and moisture stress occurred periodically during critical development stages. Periodic rains during harvest hampered soybean and sugarbeet harvest, but did not delay corn picking.

Michigan is the leading state in the production of all dry edible beans. It also leads the Nation in producing navy and cranberry beans. It also ranks in the top 10 states for producing sugarbeets, silage and grain corn, oats, spearmint, alfalfa hay, rye and potatoes.

### Acreage and Production, United States

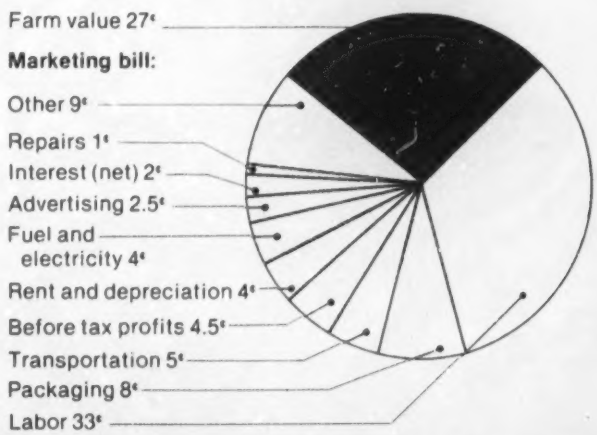
| CROP | Acreage Harvested | | Unit | Yield per Acre | | Production | |
|---|---|---|---|---|---|---|---|
| | **1984** | 1983 | | **1984** | 1983 | **1984** | 1983 |
| | *1,000 Acres* | | | | | *1,000* | |
| Corn, for grain | **71,776** | 51,483 | Bu. | **106.6** | 81.1 | **7,649,995** | 4,174,678 |
| Corn, silage | **7,533** | 7,814 | Ton | **13.8** | 12.3 | **104,056** | 96,347 |
| Oats | **8,123** | 9,072 | Bu. | **58.1** | 52.6 | **471,921** | 476,961 |
| Barley | **11,171** | 9,731 | Bu. | **53.4** | 52.3 | **596,546** | 508,925 |
| Wheat, all | **66,928** | 61,390 | Bu. | **38.8** | 39.4 | **2,595,479** | 2,419,824 |
| Winter | **51,513** | 47,584 | Bu. | **40.0** | 41.8 | **2,060,646** | 1,988,304 |
| Durum | **3,219** | 2,492 | Bu. | **32.1** | 29.3 | **103,439** | 72,979 |
| Other Spring | **12,196** | 11,314 | Bu. | **35.4** | 31.7 | **431,394** | 358,541 |
| Rye | **981** | 896 | Bu. | **33.0** | 30.3 | **32,392** | 27,116 |
| Soybeans | **66,093** | 62,525 | Bu. | **28.2** | 26.2 | **1,860,783** | 1,635,772 |
| Hay, all | **61,585** | 59,717 | Ton | **2.45** | 2.36 | **150,781** | 140,764 |
| Hay, Alfalfa | **26,809** | 25,710 | Ton | **3.36** | 3.20 | **90,017** | 82,212 |
| Hay, Other | **34,776** | 34,007 | Ton | **1.75** | 1.72 | **60,764** | 58,552 |
| Dry Beans | **1,456.3** | 1,138.7 | Cwt. | **14.25** | 13.63 | **20,754** | 15,520 |
| Potatoes, all | **1,300.0** | 1,242.5 | Cwt. | **278.0** | 269.0 | **361,648** | 333,911 |
| Sugarbeets | **1,096.2** | 1,055.8 | Ton | **20.3** | 19.9 | **22,207** | 20,992 |
| Peppermint, for oil | **67.2** | 61.3 | Lb. | **64.0** | 63.0 | **4,334** | 3,867 |
| Spearmint, for oil | **27.9** | 26.2 | Lb. | **72.0** | 61.0 | **2,019** | 1,596 |

### Food Prices: Retail and Farm Value, U.S.




Source: Retail prices, all food, Bureau of Labor Statistics. Farm value of domestically produced foods, U.S. Department of Agriculture.

### What a Dollar Spent on Food Paid for in 1983, U.S.




1983 preliminary. Other costs include property taxes and insurance, accounting and professional services, promotion, bad debts, and miscellaneous items.

## Field Crop Acreage, Production and Value; Michigan

| CROP | YEAR | Acreage | | Production | | | Price Received[1] | Value of Production |
|---|---|---|---|---|---|---|---|---|
| | | Planted | Harvested | Unit | Per Acre | Total | | |
| | | *1,000* | | | | *1,000* | *Dollars per Unit* | *1,000 Dollars* |
| CORN, all | **1984** | **3,050** | — | — | — | — | — | — |
| | 1983 | 2,200 | — | — | — | — | — | — |
| | 1982 | 3,150 | — | — | — | — | — | — |
| | 1981 | 3,200 | — | — | — | — | — | — |
| | 1980 | 2,950 | — | — | — | — | — | — |
| CORN, for grain | **1984** | — | **2,620** | **Bu.** | **84** | **220,080** | **2.60** | **572,208** |
| | 1983 | — | 1,800 | Bu. | 92 | 165,600 | 3.20 | 529,920 |
| | 1982 | — | 2,740 | Bu. | 107 | 293,180 | 2.55 | 747,609 |
| | 1981 | — | 2,800 | Bu. | 96 | 268,800 | 2.39 | 642,432 |
| | 1980 | — | 2,560 | Bu. | 95 | 243,200 | 3.05 | 741,760 |
| CORN, silage | **1984** | — | **400** | **Ton** | **11** | **4,400** | — | — |
| | 1983 | — | 380 | Ton | 13 | 4,940 | 24.50 | 121,030 |
| | 1982 | — | 390 | Ton | 14 | 5,460 | 19.40 | 105,924 |
| | 1981 | — | 370 | Ton | 14 | 5,180 | 19.80 | 102,564 |
| | 1980 | — | 365 | Ton | 14 | 5,110 | 19.20 | 98,112 |
| WINTER WHEAT | **1984** | **900** | **800** | **Bu.** | **57** | **45,600** | **3.20** | **145,920** |
| | 1983 | 830 | 730 | Bu. | 49 | 35,770 | 3.40 | 121,618 |
| | 1982 | 650 | 560 | Bu. | 41 | 22,960 | 3.33 | 76,457 |
| | 1981 | 840 | 830 | Bu. | 50 | 41,500 | 3.47 | 144,005 |
| | 1980 | 820 | 800 | Bu. | 44 | 35,200 | 3.60 | 126,720 |
| OATS | **1984** | **370** | **350** | **Bu.** | **62** | **21,700** | **1.85** | **40,145** |
| | 1983 | 450 | 300 | Bu. | 52 | 15,600 | 1.83 | 28,548 |
| | 1982 | 475 | 450 | Bu. | 63 | 28,350 | 1.49 | 42,242 |
| | 1981 | 360 | 340 | Bu. | 62 | 21,080 | 1.97 | 41,528 |
| | 1980 | 355 | 335 | Bu. | 60 | 20,100 | 1.85 | 37,185 |
| BARLEY | **1984** | **35** | **34** | **Bu.** | **60** | **2,040** | **2.50** | **51,000** |
| | 1983 | 35 | 33 | Bu. | 49 | 1,617 | 2.85 | 4,608 |
| | 1982 | 38 | 36 | Bu. | 59 | 2,124 | 2.39 | 5,076 |
| | 1981 | 27 | 26 | Bu. | 54 | 1,404 | 2.98 | 4,184 |
| | 1980 | 23 | 21 | Bu. | 53 | 1,113 | 3.75 | 4,174 |
| RYE | **1984** | **140** | **21** | **Bu.** | **28** | **588** | **2.25** | **1,323** |
| | 1983 | 135 | 20 | Bu. | 30 | 600 | 2.05 | 1,230 |
| | 1982 | 135 | 18 | Bu. | 29 | 522 | 3.00 | 1,566 |
| | 1981 | 130 | 16 | Bu. | 28 | 448 | 2.90 | 1,299 |
| | 1980 | 130 | 21 | Bu. | 24 | 504 | 2.85 | 1,436 |
| SOYBEANS | **1984** | **1,200** | **1,190** | **Bu.** | **27.0** | **32,130** | **5.90** | **189,567** |
| | 1983 | 1,050 | 1,040 | Bu. | 32.5 | 33,800 | 7.82 | 264,316 |
| | 1982 | 1,150 | 1,140 | Bu. | 31.0 | 35,340 | 5.46 | 192,956 |
| | 1981 | 1,050 | 1,040 | Bu. | 30.0 | 31,200 | 6.02 | 187,824 |
| | 1980 | 980 | 970 | Bu. | 33.0 | 32,010 | 7.47 | 239,115 |
| DRY BEANS[2] | **1984** | **400** | **390** | **Cwt.** | **1,070** | **4,173** | **20.00** | **83,460** |
| | 1983 | 360 | 350 | Cwt. | 1,300 | 4,550 | 23.20 | 105,560 |
| | 1982 | 560 | 550 | Cwt. | 1,450 | 7,975 | 13.70 | 109,258 |
| | 1981 | 650 | 590 | Cwt. | 1,220 | 7,198 | 25.60 | 184,269 |
| | 1980 | 590 | 570 | Cwt. | 1,360 | 7,752 | 26.40 | 204,653 |

## Field Crop Acreage, Production and Value; Michigan

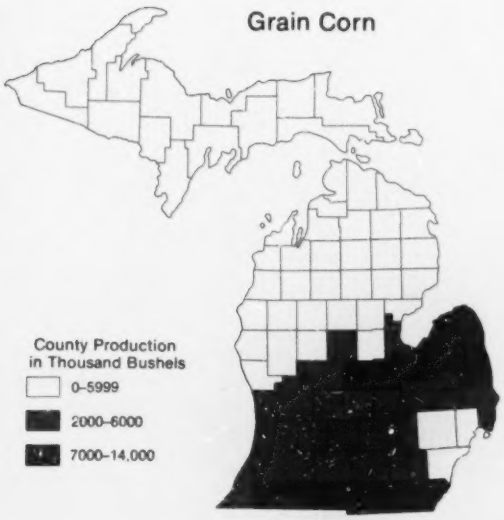
| CROP | YEAR | Acreage | | Production | | | Price Received[1] | Value of Production |
|---|---|---|---|---|---|---|---|---|
| | | Planted | Harvested | Unit | Per Acre | Total | | |
| | | *1,000* | | | | *1,000* | *Dollars per Unit* | *1,000 Dollars* |
| SUGARBEETS | **1984** | **110.0** | **108.0** | **Ton** | **19.6** | **2,117** | [3] | [3] |
| | 1983 | 106.0 | 104.0 | Ton | 19.0 | 1,976 | 36.20 | 71,531 |
| | 1982 | 97.5 | 96.5 | Ton | 19.2 | 1,853 | 35.80 | 66,337 |
| | 1981 | 102.0 | 99.0 | Ton | 20.5 | 2,030 | 26.50 | 53,795 |
| | 1980 | 99.0 | 97.0 | Ton | 19.5 | 1,892 | 40.70 | 77,004 |
| POTATOES, all | **1984** | **58.0** | **56.8** | **Cwt.** | **266** | **15,100** | **5.60** | **84,842** |
| | 1983 | 55.0 | 52.8 | Cwt. | 228 | 12,023 | 6.60 | 79,570 |
| | 1982 | 51.5 | 49.3 | Cwt. | 260 | 12,796 | 4.65 | 59,575 |
| | 1981 | 47.0 | 44.8 | Cwt. | 235 | 10,535 | 6.30 | 66,554 |
| | 1980 | 44.5 | 43.3 | Cwt. | 231 | 10,020 | 6.65 | 66,411 |
| POTATOES, summer | **1984** | **13.0** | **12.8** | **Cwt.** | **200** | **2,560** | [3] | [3] |
| | 1983 | 12.0 | 11.8 | Cwt. | 185 | 2,183 | 6.70 | 14,626 |
| | 1982 | 10.5 | 10.3 | Cwt. | 220 | 2,266 | 4.45 | 10,084 |
| | 1981 | 10.0 | 9.8 | Cwt. | 200 | 1,960 | 7.05 | 13,818 |
| | 1980 | 9.5 | 9.3 | Cwt. | 200 | 1,860 | 6.75 | 12,555 |
| POTATOES, fall | **1984** | **45** | **44** | **Cwt.** | **285** | **12,540** | [3] | [3] |
| | 1983 | 43 | 41 | Cwt. | 240 | 9,840 | 6.60 | 64,944 |
| | 1982 | 41 | 39 | Cwt. | 270 | 10,530 | 4.70 | 49,491 |
| | 1981 | 37 | 35 | Cwt. | 245 | 8,575 | 6.15 | 52,736 |
| | 1980 | 35 | 34 | Cwt. | 240 | 8,160 | 6.60 | 53,856 |
| HAY, all | **1984** | **—** | **1,750** | **Ton** | **3.02** | **5,285** | **52.00** | **274,820** |
| | 1983 | — | 1,400 | Ton | 3.19 | 4,470 | 57.50 | 257,025 |
| | 1982 | — | 1,370 | Ton | 3.17 | 4,347 | 54.50 | 236,912 |
| | 1981 | — | 1,270 | Ton | 3.22 | 4,094 | 56.50 | 231,311 |
| | 1980 | — | 1,310 | Ton | 3.09 | 4,048 | 36.50 | 147,752 |
| HAY, alfalfa | **1984** | **—** | **1,400** | **Ton** | **3.30** | **4,620** | **—** | **—** |
| | 1983 | — | 1,100 | Ton | 3.60 | 3,960 | — | — |
| | 1982 | — | 1,050 | Ton | 3.50 | 3,675 | — | — |
| | 1981 | — | 1,000 | Ton | 3.50 | 3,500 | — | — |
| | 1980 | — | 1,020 | Ton | 3.40 | 3,468 | — | — |
| HAY, other | **1984** | **—** | **350** | **Ton** | **1.90** | **665** | **—** | **—** |
| | 1983 | — | 300 | Ton | 1.70 | 510 | — | — |
| | 1982 | — | 320 | Ton | 2.10 | 672 | — | — |
| | 1981 | — | 270 | Ton | 2.20 | 594 | — | — |
| | 1980 | — | 290 | Ton | 2.00 | 580 | — | — |
| SPEARMINT, for oil | **1984** | **—** | **3.8** | **Lb.** | **33** | **125** | **13.60** | **1,700** |
| | 1983 | — | 3.8 | Lb. | 31 | 118 | 13.00 | 1,534 |
| | 1982 | — | 3.9 | Lb. | 32 | 125 | 14.30 | 1,788 |
| | 1981 | — | 3.8 | Lb. | 31 | 118 | 15.50 | 1,829 |
| | 1980 | — | 3.7 | Lb. | 29 | 107 | 13.70 | 1,466 |

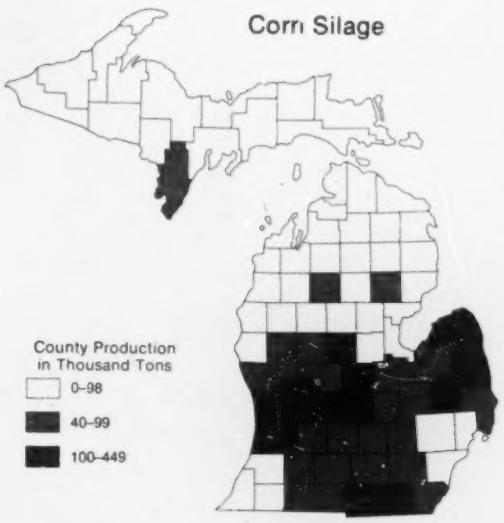
[1] Marketing year.
[2] Production per acre in pounds.
[3] Not available at publication time.

# Corn

Corn is Michigan's number one cash crop in terms of acreage and value of production. The 1984 corn for grain crop was valued at $594 million. Prices during the 1984 marketing year were sharply below the previous year. Acreage planted for all purposes returned to normal levels following the 1983 PIK (Payment In Kind) program. Dry weather during the growing season reduced yields to 84 bushels per acre, the lowest since 1978.

Corn for grain production totaled 220 million bushels, a 33 percent increase from the previous year. Michigan remained the 8th largest corn producing state in the Nation. Nationally, corn production totaled 7.65 billion bushels, 83 percent above the 1983 crop but 7 percent below the record high 1982 crop.



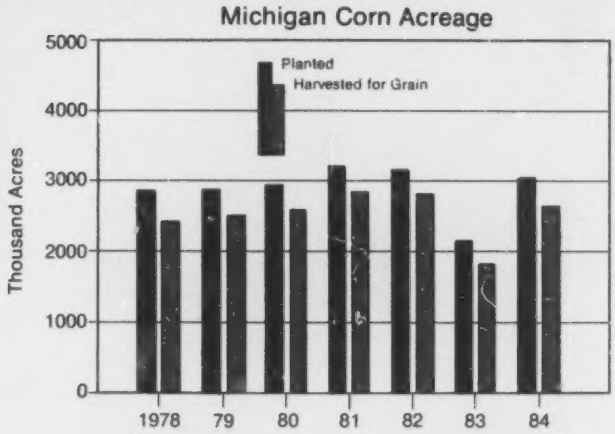



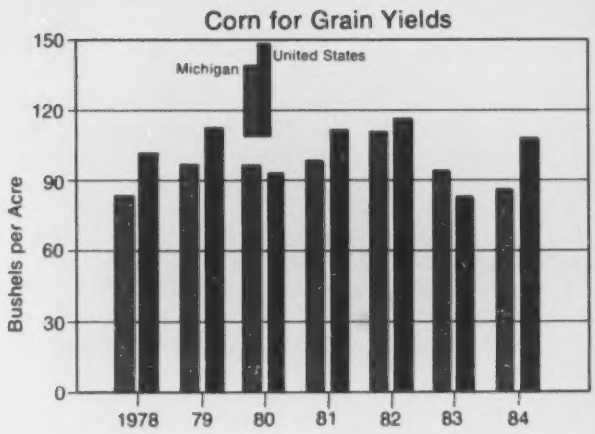

## Grain Corn Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Bushels* | *1,000 Bushels* |
| **1984** | **2,620** | **84** | **220,080** |
| 1983 | 1,800 | 92 | 165,600 |
| 1982 | 2,740 | 107 | 293,180 |
| 1981 | 2,800 | 96 | 268,800 |
| 1980 | 2,560 | 95 | 243,200 |

## Corn Silage Acreage, Yield, Production

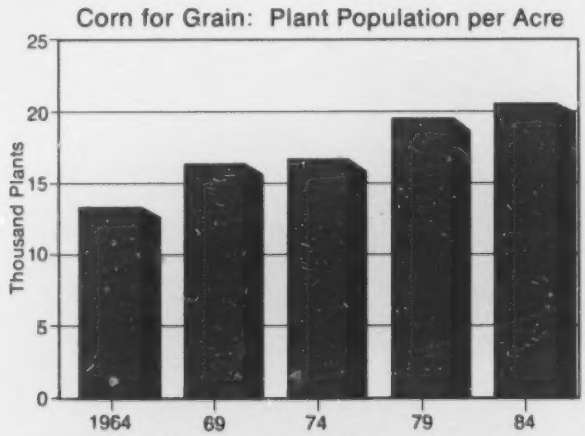
| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Tons* | *1,000 Tons* |
| **1984** | **400** | **11** | **4,400** |
| 1983 | 380 | 13 | 4,940 |
| 1982 | 390 | 14 | 5,460 |
| 1981 | 370 | 14 | 5,180 |
| 1980 | 365 | 14 | 5,110 |




## Grain Corn Stocks by Quarter

| YEAR | January 1 | | April 1 | | June 1 | | October 1 | |
|---|---|---|---|---|---|---|---|---|
| | On Farm | Off Farm | On Farm | Off Farm | On Farm | Off Farm | On Farm | Off Farm |
| | *1,000 Bushels* | | | | | | | |
| **1985** | **127,646** | **43,716** | **88,032** | **24,932** | **55,020** | **18,397** | | |
| 1984 | 107,640 | 57,400 | 54,648 | 31,553 | 33,120 | 20,631 | 8,280 | 6,234 |
| 1983 | 199,362 | 58,646 | 143,658 | 48,040 | 117,272 | 47,658 | 64,500 | 41,090 |
| 1982 | 158,592 | 52,775 | 118,272 | 36,145 | 102,144 | 27,548 | 43,008 | 14,797 |
| 1981 | 128,896 | 47,234 | 80,256 | 26,901 | 60,800 | 17,458 | 17,024 | 8,779 |
| 1980 | 142,500 | 42,376 | 97,375 | 27,477 | 68,875 | 19,225 | 16,625 | 7,707 |




Based on stalk counts in plots selected for objective yield samples.

## Corn For Grain: Plant Population Per Acre[1]

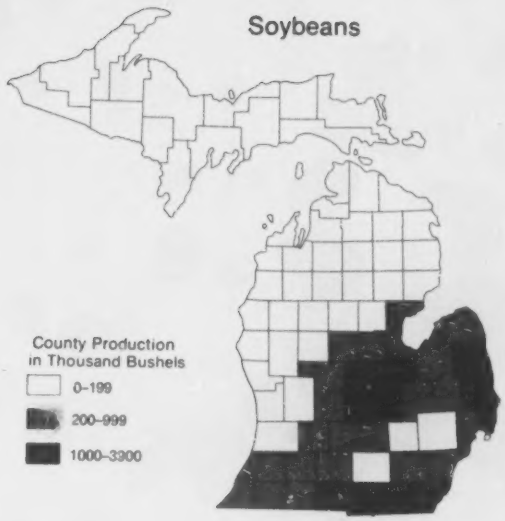
| YEAR | MICHIGAN | ILLINOIS | INDIANA | IOWA | MINNESOTA | OHIO | WISCONSIN |
|---|---|---|---|---|---|---|---|
| **1984** | **20,600** | **21,900** | **21,000** | **21,400** | **21,200** | **21,500** | **20,500** |
| 1983 | 19,200 | 22,000 | 20,900 | 21,800 | 20,700 | 20,800 | 20,300 |
| 1982 | 20,700 | 22,200 | 21,700 | 21,100 | 20,700 | 21,700 | 20,900 |
| 1981 | 18,800 | 20,700 | 19,700 | 20,800 | 19,500 | 20,800 | 20,100 |
| 1979 | 19,000 | 20,600 | 20,000 | 20,300 | 20,200 | 20,700 | 19,600 |
| 1974 | 16,900 | 18,600 | 18,700 | 18,600 | 18,200 | 18,900 | 13,500 |
| 1969 | 16,768 | 18,605 | 16,956 | 17,412 | 18,175 | 17,702 | 17,626 |
| 1964 | 13,358 | 14,172 | 14,055 | 14,288 | 14,636 | 14,113 | 14,752 |

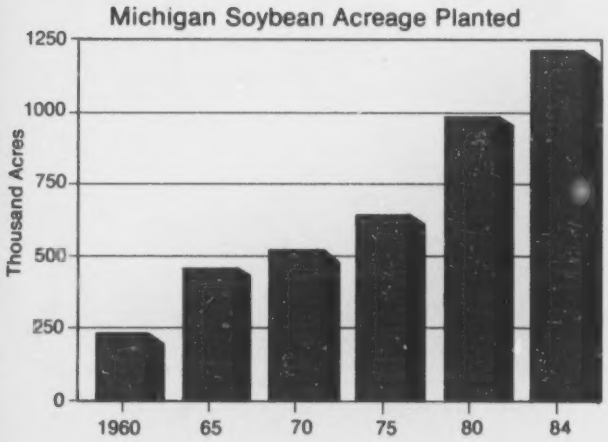
[1] Based on stalk counts in plots selected for objective yield samples.

# Soybeans

Soybeans are a prominent part of Michigan agriculture. Soybeans are the third leading cash crop produced in Michigan and the 1984 crop was valued at $199 million. Acreage in recent years has generally been over one million acres compared to approximately 600,000 acres in the mid-1970's. A new state record of 1.2 million acres was planted in 1984. Production during 1984 totaled 32 million bushels, a decline of 5 percent from the previous year. Dry weather during the growing season reduced yields to the lowest level since 1978.

Michigan soybeans are grown primarily for their oil content. Soybean oil is utilized in the production of cooking oils, margarine, salad oils, meat substitutes, paints, varnishes, adhesives and many other products. After crushing, the meal by-product is an excellent source of protein for livestock feed. Michigan was the 15th largest soybean producing state in the Nation during 1984.




## Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Bushels* | *1,000 Bushels* |
| **1984** | **1,190** | **27.0** | **32,130** |
| 1983 | 1,040 | 32.5 | 33,800 |
| 1982 | 1,140 | 31.0 | 35,340 |
| 1981 | 1,040 | 30.0 | 31,200 |
| 1980 | 970 | 33.0 | 32,010 |

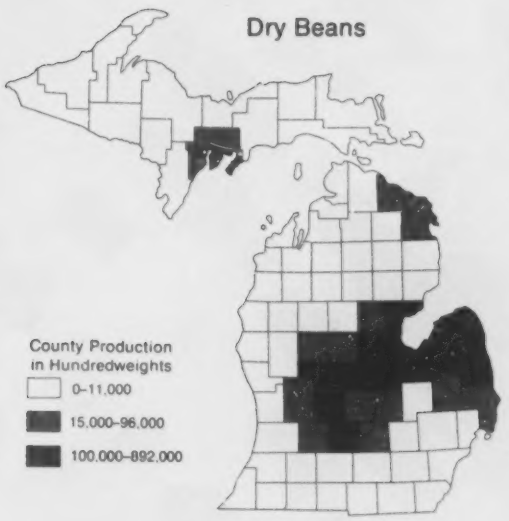
## Soybean Stocks by Quarter

| YEAR | January 1 | | April 1 | | June 1 | | September 1 | |
|---|---|---|---|---|---|---|---|---|
| | On Farm | Off Farm | On Farm | Off Farm | On Farm | Off Farm | On Farm | Off Farm |
| | *1,000 Bushels* | | | | | | | |
| **1985** | **10,924** | **11,832** | **6,426** | **5,934** | **3,534** | **3,812** | | |
| 1984 | 9,126 | 10,634 | 5,408 | 6,095 | 2,366 | 3,372 | 676 | 1,098 |
| 1983 | 17,670 | 7,871 | 10,602 | 4,017 | 6,008 | 3,925 | 1,767 | 1,495 |
| 1982 | 12,480 | 6,718 | 8,736 | 4,514 | 5,304 | 3,169 | 1,248 | 885 |
| 1981 | 9,603 | 9,406 | 8,003 | 6,567 | 5,762 | 4,499 | 1,280 | 1,465 |
| 1980 | 15,150 | 9,481 | 7,272 | 6,885 | 5,454 | 5,223 | 606 | 3,111 |

# Dry Beans

Michigan dry beans are available worldwide in a wide variety of menus. The fertile soils of the Bay-Thumb area and Saginaw Valley are particularly well suited for bean production. During 1984, 20 percent of all dry edible beans in the U.S. and 72 percent of all navy beans were Michigan grown. The 1984 crop is valued at more than $81 million.

Dry bean production during 1984 totaled nearly 4.2 million hundredweight, the smallest output since 1957. Planting delays and hot, dry weather during the growing season sharply reduced yields and more than offset the increase in harvested acreage. Yields averaged 1,070 pounds per acre, the lowest since 1976. Quality of the 1984 crop was excellent.



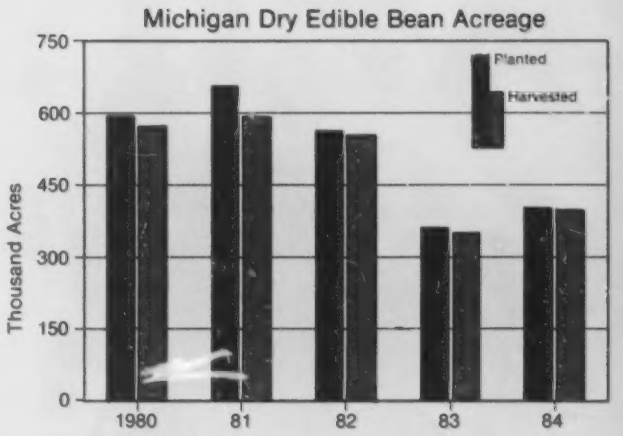

## Dry Bean Production By Kinds

| KIND | 1984 | 1983 | 1982 | 1981 | 1980 |
|---|---|---|---|---|---|
| | | | *1,000 Cwt.* | | |
| Navy Beans | **3,591** | 3,750 | 6,497 | 4,070 | 4,827 |
| Red Kidney | **250** | 250 | 450 | 335 | 390 |
| Cranberry | **140** | 285 | 420 | 320 | 330 |
| Pinto | **21** | 28 | 120 | 348 | 850 |
| Black Turtle | **22** | 30 | 140 | 1,990 | 1,210 |
| Others | **149** | 207 | 348 | 135 | 145 |
| Total | **4,173** | 4,550 | 7,975 | 7,198 | 7,752 |

## Dry Bean Acreage, Yield, Production

| KIND | Year | Harvested Acres | Yield per Acre | Production |
|---|---|---|---|---|
| | | *1,000* | *Pounds* | *1,000 Cwt.* |
| Navy | **1984** | **342** | **1,050** | **3,591** |
| | 1983 | 293 | 1,280 | 3,750 |
| | 1982 | 455 | 1,430 | 6,497 |
| | 1981 | 370 | 1,100 | 4,070 |
| | 1980 | 370 | 1,305 | 4,827 |
| Other Than Navy[1] | **1984** | **48** | **1,213** | **582** |
| | 1983 | 57 | 1,400 | 800 |
| | 1982 | 95 | 1,560 | 1,478 |
| | 1981 | 220 | 1,420 | 3,128 |
| | 1980 | 200 | 1,460 | 2,925 |
| Total | **1984** | **390** | **1,070** | **4,173** |
| | 1983 | 350 | 1,300 | 4,550 |
| | 1982 | 550 | 1,450 | 7,975 |
| | 1981 | 590 | 1,220 | 7,198 |
| | 1980 | 570 | 1,360 | 7,752 |

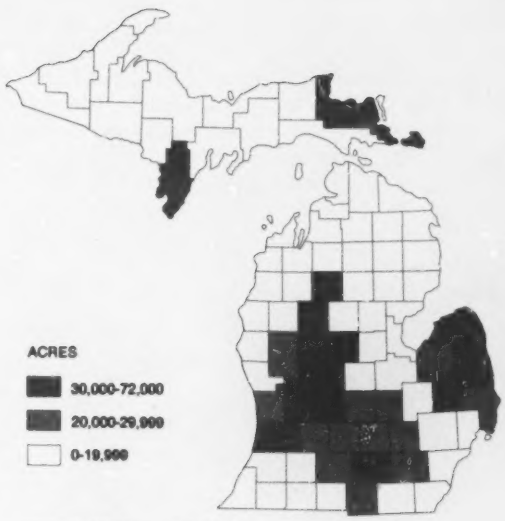
[1] Yield derived.



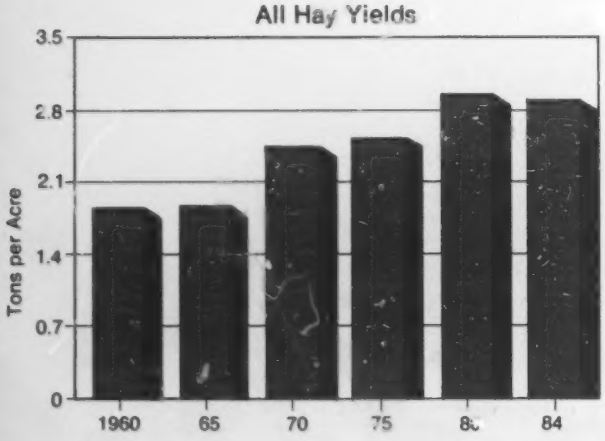
# Hay

Hay is Michigan's second leading field crop in terms of value of production. The 1984 crop is valued at more than $272 million. Hay is generally utilized by livestock producers as a part of their feeding operations. However, an increasing number of growers are selling it as a cash crop. Hay is grown throughout the state and alfalfa usually accounts for about 85 percent of production.

Production at a record 5.3 million tons was 18 percent above 1983. Harvested acreage increased sharply as many farmers seeded hay on 1983 PIK acreage withdrawn from crop production. Dry weather during the growing season reduced total yield per acre for all cuttings (normally three per season) to 3.0 tons. Michigan was the 11th largest hay producing state in the nation during 1984.




Source: 1982 Census of Agriculture




## Production by Kinds

| CROP YEAR | Total | Alfalfa and Alfalfa Mixtures | | All Other Kinds | |
|---|---|---|---|---|---|
| | | Acres | Production | Acres | Production |
| | *1,000 Tons* | *1,000* | *1,000 Tons* | *1,000* | *1,000 Tons* |
| **1984** | **5,235** | **1,400** | **4,620** | **350** | **665** |
| 1983 | 4,470 | 1,100 | 3,960 | 300 | 510 |
| 1982 | 4,347 | 1,050 | 3,675 | 320 | 672 |
| 1981 | 4,094 | 1,000 | 3,500 | 270 | 594 |
| 1980 | 4,048 | 1,020 | 3,468 | 290 | 580 |

## Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Tons* | *1,000 Tons* |
| **1984** | **1,750** | **3.02** | **5,285** |
| 1983 | 1,400 | 3.19 | 4,470 |
| 1982 | 1,370 | 3.17 | 4,347 |
| 1981 | 1,270 | 3.22 | 4,094 |
| 1980 | 1,310 | 3.09 | 4,048 |

## Hay Stocks on Farms

| YEAR | January 1 | May 1 |
|---|---|---|
| | *1,000 Tons* | |
| **1985** | **2,854** | **634** |
| 1984 | 2,503 | 626 |
| 1983 | 2,521 | 782 |
| 1982 | 2,220 | 506 |
| 1981 | 2,306 | 769 |

# Monthly Farm Marketings

## Corn

| MONTH | CROP YEAR | | | | |
|---|---|---|---|---|---|
| | **1983** | 1982 | 1981 | 1980 | 1979 |
| | *Percent* | | | | |
| October | **8** | 9 | 6 | 15 | 9 |
| November | **28** | 18 | 20 | 21 | 17 |
| December | **13** | 13 | 12 | 10 | 13 |
| January | **12** | 10 | 8 | 12 | 3 |
| February | **9** | 9 | 6 | 5 | 4 |
| March | **10** | 11 | 9 | 3 | 6 |
| April | **6** | 6 | 10 | 7 | 5 |
| May | **4** | 6 | 9 | 10 | 8 |
| June | **5** | 5 | 7 | 4 | 11 |
| July | **2** | 4 | 7 | 3 | 6 |
| August | **2** | 5 | 3 | 3 | 10 |
| September | **1** | 4 | 3 | 4 | 8 |

## Soybean

| MONTH | CROP YEAR | | | | |
|---|---|---|---|---|---|
| | **1983** | 1982 | 1981 | 1980 | 1979 |
| | *Percent* | | | | |
| September | **4** | 1 | 5 | 14 | 1 |
| October | **34** | 25 | 15 | 25 | 27 |
| November | **17** | 22 | 20 | 19 | 13 |
| December | **8** | 11 | 9 | 3 | 9 |
| January | **6** | 11 | 9 | 5 | 7 |
| February | **6** | 6 | 5 | 6 | 7 |
| March | **7** | 5 | 8 | 6 | 9 |
| April | **6** | 5 | 12 | 5 | 6 |
| May | **8** | 2 | 7 | 4 | 7 |
| June | **2** | 2 | 4 | 4 | 7 |
| July | **1** | 6 | 3 | 4 | 4 |
| August | **1** | 4 | 3 | 5 | 3 |

## Dry Beans

| MONTH | CROP YEAR | | | | |
|---|---|---|---|---|---|
| | **1983** | 1982 | 1981 | 1980 | 1979 |
| | *Percent* | | | | |
| September | **16** | 11 | 14 | 23 | 20 |
| October | **23** | 24 | 25 | 26 | 22 |
| November | **10** | 7 | 15 | 11 | 9 |
| December | **7** | 6 | 9 | 8 | 6 |
| January | **6** | 7 | 8 | 7 | 6 |
| February | **7** | 5 | 6 | 6 | 9 |
| March | **4** | 4 | 6 | 7 | 6 |
| April | **4** | 6 | 4 | 3 | 2 |
| May | **4** | 11 | 7 | 4 | 2 |
| June | **6** | 8 | 4 | 3 | 6 |
| July | **6** | 5 | 1 | 1 | 8 |
| August | **7** | 6 | 1 | 1 | 4 |

## Wheat

| MONTH | CROP YEAR | | | | |
|---|---|---|---|---|---|
| | **1983** | 1982 | 1981 | 1980 | 1979 |
| | *Percent* | | | | |
| July | **36** | 25 | 41 | 25 | 20 |
| August | **31** | 26 | 24 | 38 | 32 |
| September | **5** | 6 | 10 | 18 | 15 |
| October | **3** | 2 | 4 | 2 | 7 |
| November | **2** | 4 | 2 | 2 | 3 |
| December | **6** | 5 | 3 | 1 | 3 |
| January | **6** | 10 | 3 | 4 | 4 |
| February | **4** | 7 | 2 | 2 | 5 |
| March | **3** | 7 | 5 | 2 | 4 |
| April | **2** | 3 | 2 | 2 | 1 |
| May | **1** | 3 | 3 | 2 | 3 |
| June | **1** | 2 | 1 | 2 | 3 |

## Oats

| MONTH | CROP YEAR | | | | |
|---|---|---|---|---|---|
| | **1983** | 1982 | 1981 | 1980 | 1979 |
| | *Percent* | | | | |
| July | **6** | 4 | 19 | 9 | 8 |
| August | **37** | 34 | 39 | 46 | 26 |
| September | **10** | 5 | 5 | 7 | 16 |
| October | **7** | 2 | 3 | 3 | 4 |
| November | **5** | 3 | 3 | 3 | 2 |
| December | **5** | 7 | 4 | 4 | 4 |
| January | **7** | 8 | 4 | 6 | 6 |
| February | **8** | 7 | 5 | 5 | 5 |
| March | **5** | 8 | 7 | 6 | 8 |
| April | **4** | 11 | 3 | 4 | 9 |
| May | **4** | 6 | 5 | 4 | 6 |
| June | **2** | 5 | 3 | 3 | 6 |

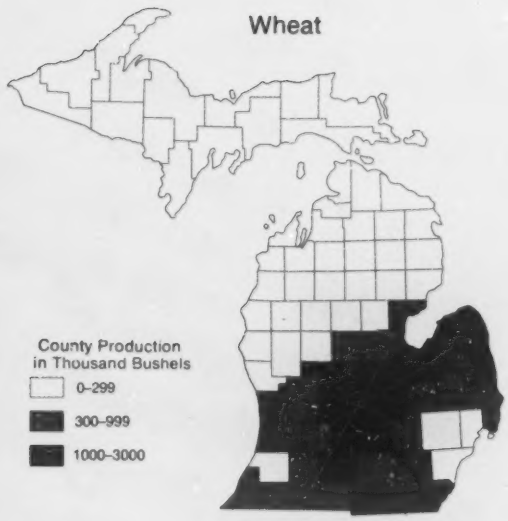
## Hay

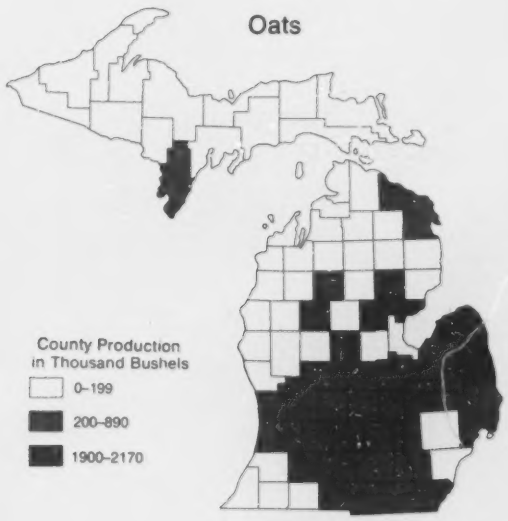
| MONTH | CROP YEAR | | | | |
|---|---|---|---|---|---|
| | **1983** | 1982 | 1981 | 1980 | 1979 |
| | *Percent* | | | | |
| June | **14** | 12 | 14 | 12 | 15 |
| July | **10** | 9 | 11 | 8 | 10 |
| August | **6** | 8 | 11 | 9 | 6 |
| September | **4** | 5 | 7 | 5 | 5 |
| October | **5** | 4 | 7 | 5 | 4 |
| November | **6** | 8 | 6 | 4 | 7 |
| December | **12** | 9 | 9 | 9 | 9 |
| January | **9** | 9 | 10 | 12 | 9 |
| February | **6** | 9 | 8 | 10 | 7 |
| March | **10** | 10 | 8 | 11 | 11 |
| April | **11** | 9 | 4 | 9 | 10 |
| May | **7** | 8 | 5 | 6 | 7 |

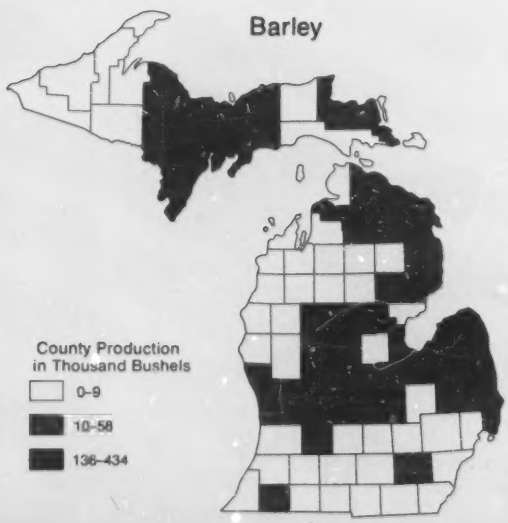
# Wheat, Oats, Barley and Rye

Michigan wheat farmers produced a record 45.6 million bushels during 1984. Last year's bumper crop surpassed the record 1953 crop by 4 percent. Favorable growing conditions during the season enabled growers to produce a record yield of 57 bushels per acre. This surpassed the previous record of 50 bushels per acre set in 1981. Oats production at nearly 22 million bushels increased 39 percent from the previous year. Oats yields averaged 62 bushels, 10 bushels above the previous year. Barley production increased 26 percent from the previous year. Yields averaged 60 bushels per acre, a new state record. Rye production declined 2 percent from the previous year.

Most small grains in Michigan are sold for use in manufactured foods or as livestock feed. Bakeries turn soft white winter wheat into cookies, cakes and breakfast cereals. Barley is used primarily by breweries. Rye is planted primarily as a winter cover crop, while oats are grown mostly for livestock feed.



## Wheat Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Bushels* | *1,000 Bushels* |
| **1984** | **800** | **57** | **45,600** |
| 1983 | 730 | 49 | 35,770 |
| 1982 | 560 | 41 | 22,960 |
| 1981 | 830 | 50 | 41,500 |
| 1980 | 800 | 44 | 35,200 |

## Oats Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Bushels* | *1,000 Bushels* |
| **1984** | **350** | **62** | **21,700** |
| 1983 | 300 | 52 | 15,600 |
| 1982 | 450 | 63 | 28,350 |
| 1981 | 340 | 62 | 21,080 |
| 1980 | 335 | 60 | 20,100 |

## Barley Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Bushels* | *1,000 Bushels* |
| **1984** | **34** | **60** | **2,040** |
| 1983 | 33 | 49 | 1,617 |
| 1982 | 36 | 59 | 2,124 |
| 1981 | 26 | 54 | 1,404 |
| 1980 | 21 | 53 | 1,113 |

## Rye Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Bushels* | *1,000 Bushels* |
| **1984** | **21** | **28** | **588** |
| 1983 | 20 | 30 | 600 |
| 1982 | 18 | 29 | 522 |
| 1981 | 16 | 28 | 448 |
| 1980 | 21 | 24 | 504 |

## Small Grain Stocks by Quarter[1]

| CROP | Crop Year | October 1 | | January 1 | | April 1 | | June 1 | |
|---|---|---|---|---|---|---|---|---|---|
| | | On Farm | Off Farm | On Farm | Off Farm | On Farm | Off Farm | On Farm | Off Farm |
| | | *1,000 Bushels* | | | | | | | |
| WHEAT | **1984** | **6,384** | **18,001** | **3,648** | **13,839** | **1,824** | **8,175** | **1,368** | **6,027** |
| | 1983 | 6,081 | 19,164 | 4,650 | 15,680 | 3,219 | 9,664 | 1,789 | 5,729 |
| | 1982 | 3,444 | 16,130 | 2,755 | 10,050 | 2,066 | 7,140 | 1,607 | 4,998 |
| | 1981 | 6,225 | 15,245 | 4,565 | 12,802 | 2,905 | 9,585 | 2,490 | 6,652 |
| | 1980 | 8,448 | 22,701 | 7,392 | 15,608 | 2,816 | 12,659 | 2,112 | 7,499 |
| OATS | **1984** | **14,756** | **4,123** | **10,850** | **2,468** | **5,859** | **1,928** | **2,821** | **1,404** |
| | 1983 | 11,700 | 2,863 | 7,488 | 1,837 | 4,056 | 1,559 | 2,184 | 1,067 |
| | 1982 | 17,010 | 6,820 | 14,175 | 3,532 | 7,088 | 2,397 | 5,103 | 1,601 |
| | 1981 | 13,070 | 3,197 | 10,962 | 1,846 | 5,270 | 1,452 | 2,108 | 798 |
| | 1980 | 13,467 | 3,535 | 11,457 | 1,982 | 5,025 | 1,341 | 2,814 | 906 |
| BARLEY | **1984** | **1,428** | [2] | **1,020** | [2] | **510** | [2] | **204** | [2] |
| | 1983 | 1,455 | [2] | 1,213 | [2] | 728 | [2] | 404 | [2] |
| | 1982 | 1,593 | [2] | 1,274 | [2] | 680 | [2] | 489 | [2] |
| | 1981 | 842 | [2] | 562 | [2] | 281 | [2] | 183 | [2] |
| | 1980 | 668 | [2] | 501 | [2] | 312 | [2] | 167 | [2] |

[1] Includes interior mills, elevators and warehouses, cereal food processing plants, census merchant mills, terminal and C.C.C. bins.
[2] Not published to avoid disclosing individual operations.

# Wheat Variety

Soft white winter wheat varieties will account for 80 percent of Michigan's wheat harvest in 1985. Soft red varieties will account for the remaining 20 percent. This data was obtained in May, 1985 in a special survey conducted by the Federal/State Michigan Agricultural Reporting Service with major funding provided by the Michigan State Millers Association. The percentage of Michigan acreage planted to soft white winter wheat continues to inch upward. In a wheat variety survey conducted in 1974, 74.4 percent of the acreage was soft white while the 1979 survey indicated 74.2 percent was soft white. In 1983, 77 percent was soft white and 79 percent was soft white in 1984. Michigan ranks fourth among states in white wheat acreage. Washington, Oregon and Idaho are first, second, and third, respectively.

Frankenmuth, a soft white variety, is the most popular variety among Michigan farmers this year and accounts for 53 percent of the State's 1985 acreage. Augusta is the second leading white variety with 19 percent of the acreage. Arthur and Pioneer are the leading soft red winter wheat varieties with each representing about 5 percent of the acreage. Michigan soft white wheat is milled into a flour used primarily in breakfast cereal, pie crust, and cookies baked from a light-textured dough. Soft red wheat flour is used by manufacturers of cake mixes, doughnuts, and cookies of a heavy dough.

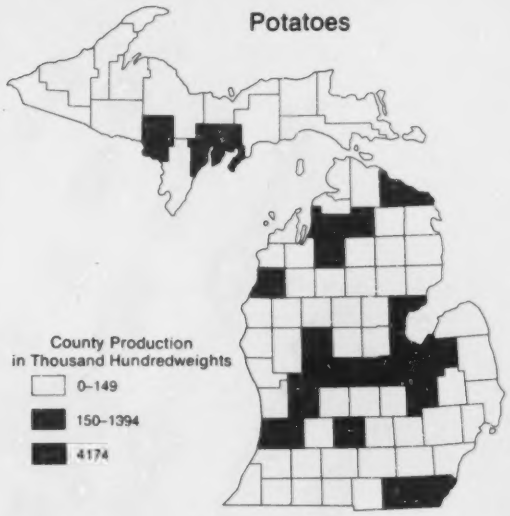
## Michigan Wheat Acreage: Acres for Harvest by Variety — 1985

| CLASS & VARIETY | Crop Reporting Districts | | | | | | | | | State Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | *Acres* | | | | | | | | | |
| **Soft White Winter** | | | | | | | | | | |
| Augusta | 700 | 1,900 | 200 | 1,500 | 18,400 | 58,000 | 9,600 | 40,000 | 14,700 | 145,000 |
| Frankenmuth | 800 | 2,200 | 10,000 | 10,000 | 49,000 | 94,000 | 44,000 | 136,000 | 64,000 | 410,000 |
| Frederick | — | — | 400 | — | 4,400 | 700 | 2,000 | 3,500 | — | 11,000 |
| Genesee | — | 100 | — | — | 400 | 1,000 | 400 | 800 | 2,300 | 5,000 |
| Ionia | — | 400 | 200 | — | 1,100 | — | 900 | 400 | — | 3,000 |
| Tecumseh | — | — | — | — | — | 2,500 | — | 2,300 | 3,200 | 8,000 |
| Yorkstar | — | 100 | — | — | 800 | 7,200 | — | 3,000 | 900 | 12,000 |
| Unknown & Other[1] | — | 1,800 | 1,200 | — | 3,400 | 3,600 | 3,100 | 11,000 | 6,900 | 31,000 |
| TOTAL | 1,500 | 6,500 | 12,000 | 11,500 | 77,500 | 167,000 | 60,000 | 197,000 | 92,000 | 625,000 |
| **Soft Red Winter** | | | | | | | | | | |
| Arthur | — | — | 300 | — | — | — | 2,100 | 11,100 | 27,500 | 41,000 |
| Caldwell | — | — | — | — | 100 | — | 2,400 | 3,500 | 5,000 | 11,000 |
| Hart | — | — | — | — | — | — | — | 500 | 3,500 | 4,000 |
| Hillsdale | — | — | — | — | — | 1,600 | 400 | 8,000 | 3,000 | 13,000 |
| Pioneer | — | — | — | — | 200 | 4,800 | 4,700 | 7,300 | 24,000 | 41,000 |
| Titan | — | — | — | — | — | 1,100 | 2,400 | 9,000 | 10,500 | 23,000 |
| Unknown & Other[1] | — | — | 200 | — | 2,200 | 500 | 1,000 | 3,600 | 14,500 | 22,000 |
| TOTAL | — | — | 500 | — | 2,500 | 8,000 | 13,000 | 43,000 | 88,000 | 155,000 |
| STATE TOTAL | 1,500 | 6,500 | 12,500 | 11,500 | 80,000 | 175,000 | 73,000 | 240,000 | 180,000 | 780,000 |

[1] Includes minor and unknown varieties.

# Potatoes

Potatoes are an important revenue source for Michigan farmers and are grown throughout the state. Montcalm and Bay counties continue to lead the way as major producing areas and account for about a third of the states acreage. Michigan ranked 10th nationwide in potato production in 1984. Annual production is divided into summer and fall seasons, with the fall crop accounting for 83 percent of total 1984 production. Favorable weather conditions shortly before harvest resulted in considerable tonnage being added to yields. Yields for the 1984 crop year were at a new state record. Weather during harvest was generally favorable and very little acreage was abandoned.




## Total Acreage, Yield, Production

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Cwt.* | *1,000 Cwt.* |
| **1984** | **56.8** | **266** | **15,100** |
| 1983 | 52.8 | 228 | 12,023 |
| 1982 | 49.3 | 260 | 12,796 |
| 1981 | 44.8 | 235 | 10,535 |
| 1980 | 43.3 | 231 | 10,020 |

## Production and Disposition

| SEASON | Year | Production | Total Used for Seed[1] | Used on Farm Where Grown: For Seed, Feed and Household Use | Used on Farm Where Grown: Shrink & Loss | Sold |
|---|---|---|---|---|---|---|
| | | | | *1,000 Cwt.* | | |
| SUMMER | **1984** | **2,560** | [2] | [2] | [2] | [2] |
| | 1983 | 2,183 | 260 | 66 | 87 | 2,030 |
| | 1982 | 2,266 | 240 | 86 | 104 | 2,076 |
| | 1981 | 1,960 | 210 | 67 | 204 | 1,689 |
| | 1980 | 1,860 | 220 | 102 | 55 | 1,703 |
| FALL | **1984** | **12,540** | [2] | [2] | [2] | [2] |
| | 1983 | 9,840 | 900 | 260 | 830 | 8,750 |
| | 1982 | 10,530 | 817 | 190 | 780 | 9,560 |
| | 1981 | 8,575 | 800 | 202 | 1,098 | 7,275 |
| | 1980 | 8,160 | 703 | 174 | 800 | 7,166 |
| TOTAL | **1984** | **15,100** | [2] | [2] | [2] | [2] |
| | 1983 | 12,023 | 1,160 | 326 | 917 | 10,780 |
| | 1982 | 12,796 | 1,057 | 276 | 884 | 11,636 |
| | 1981 | 10,535 | 1,010 | 269 | 1,302 | 8,964 |
| | 1980 | 10,020 | 923 | 296 | 855 | 8,869 |

[1] Includes seed purchased and seed used on farms where grown.
[2] Not available at publication time.

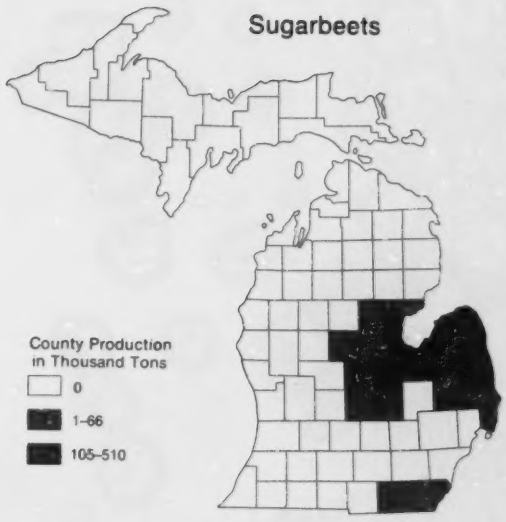
## Fall Potato Stocks

| CROP YEAR | December 1 | January 1 | February 1 | March 1 | April 1 | May 1 |
|---|---|---|---|---|---|---|
| | | | *1,000 Cwt.* | | | |
| **1984** | **8,000** | **6,500** | **5,000** | **3,700** | **2,600** | **1,500** |
| 1983 | 6,600 | 5,400 | 4,400 | 3,300 | 2,100 | 1,000 |
| 1982 | 7,600 | 6,400 | 5,400 | 4,200 | 2,800 | 1,600 |
| 1981 | 5,800 | 4,600 | 3,500 | 2,500 | 1,600 | 800 |
| 1980 | 4,800 | 3,700 | 2,700 | 1,800 | 1,000 | 500 |

# Sugarbeets

Sugarbeets are grown primarily for the sucrose they produce which is refined into sugar. The pulp, a by-product, is also a valuable livestock feed when combined with other feed ingredients. Sugarbeets contribute about $70 million to Michigan's farm income annually. Michigan is the fifth largest producer of sugarbeets in the Nation.

Sugarbeet production during 1984 totaled 2.1 tons, a 7 percent increase from the previous year. The increase in production resulted from a combination of increased acreage and improved yields.



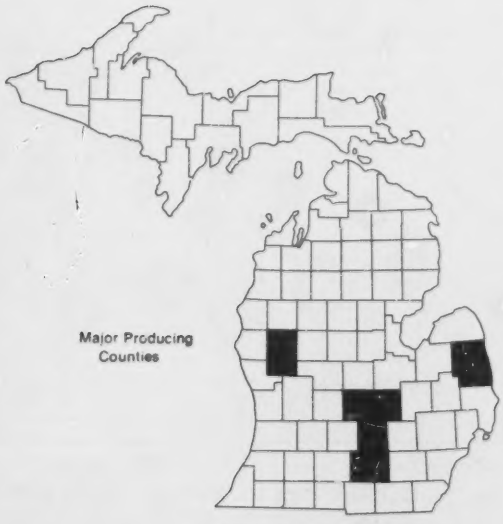

**Acreage, Yield, Production**

| YEAR | Acres Harvested | Yield per Acre | Production |
|---|---|---|---|
| | *1,000* | *Tons* | *1,000 Tons* |
| **1984** | **108.0** | **19.6** | **2,117** |
| 1983 | 104.0 | 19.0 | 1,976 |
| 1982 | 96.5 | 19.2 | 1,853 |
| 1981 | 99.0 | 20.5 | 2,030 |
| 1980 | 97.0 | 19.5 | 1,892 |

# Spearmint

The 1984 growing and harvest season was very favorable for spearmint. The crop totaled 125,000 pounds of oil with a value of $1.7 million. Harvested acreage at 3,800 acres has been fairly stable in recent years.

Most Michigan spearmint goes to processors which produce oil to be further refined for use in such products as gum, medicine, soap and toothpaste. Fresh mint leaves are used in restaurants for garnishes. The major producing area is Central Lower Michigan. Michigan ranks fifth nationwide, in spearmint production.




Source: 1982 Census of Agriculture

**Acreage, Yield, Production**

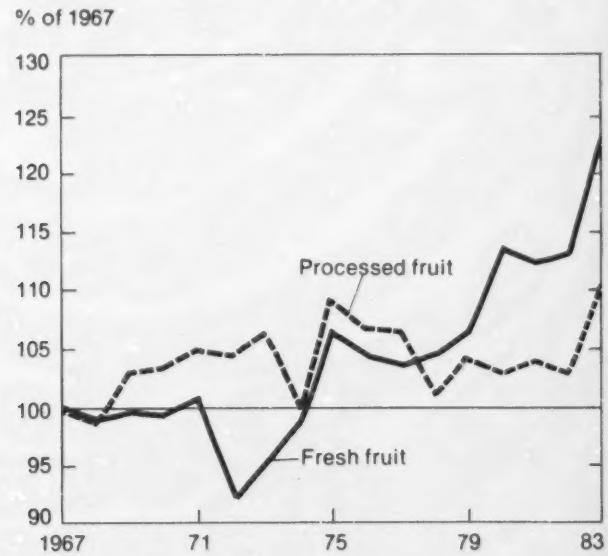
| YEAR | Acres Harvested | Production – Oil | |
|---|---|---|---|
| | | Per Acre | Total |
| | | Pounds | 1,000 Pounds |
| **1984** | **3,800** | **33** | **125** |
| 1983 | 3,800 | 31 | 118 |
| 1982 | 3,900 | 32 | 125 |
| 1981 | 3,800 | 31 | 118 |
| 1980 | 3,700 | 29 | 107 |

# FRUIT

## General Information

Michigan is one of the major fruit producing states in the Nation. This is largely due to the moderating influence that Lake Michigan has on the weather. The fruit industry is concentrated along the Western coast of the Lower Peninsula where the "lake effect" is strongest. Cold air passing over the unfrozen lake in the winter is warmed while hot air passing over in the summer is cooled. The moderate climate that results is ideal for fruit production. The "lake effect" during the spring delays fruit tree bloom. This helps to insure that the possibility of freeze damage will be lessened. Overall production of Michigan's seven major fruit crops during 1984 rose almost 16 percent to just over 1.2 billion pounds. The crop year started with no major freezes but pollinating weather was less than perfect due to a cold, wet and windy spring. Growing conditions after spring were generally favorable throughout the state. These favorable conditions kept fruit production high for apples, cherries, peaches, pears and plums. Grape production registered the only decrease from the previous year. This was due to spring frost and dry summer weather. Overall, the value of Michigan's fruit production rose almost 17 percent. This increase was realized mostly because of the 16 percent increase in production.

**Per Capita Consumption of Fruits, U.S.**




### Fruit Total Acreage, Production and Value[1]

| YEAR | Acres of Bearing Age | Production | | Value of Utilized Production | |
|---|---|---|---|---|---|
| | | Total | Utilized | Average | Total |
| | *1,000* | *Million Pounds* | | *Dollars per Cwt.* | *1,000 Dollars* |
| **1984** | **110.5** | **1,235** | **1,216** | **12.67** | **154,080** |
| 1983 | 105.2 | 1,068 | 1,068 | 12.36 | 131,986 |
| 1982 | 100.0 | 1,513 | 1,435 | 9.21 | 132,165 |
| 1981 | 101.9 | 985 | 985 | 13.56 | 133,540 |
| 1980 | 104.3 | 1,292 | 1,291 | 9.34 | 120,627 |

[1] Includes apples, peaches, tart cherries, sweet cherries, pears, prunes-plums and grapes.

## Trees, Acres, Production and Value

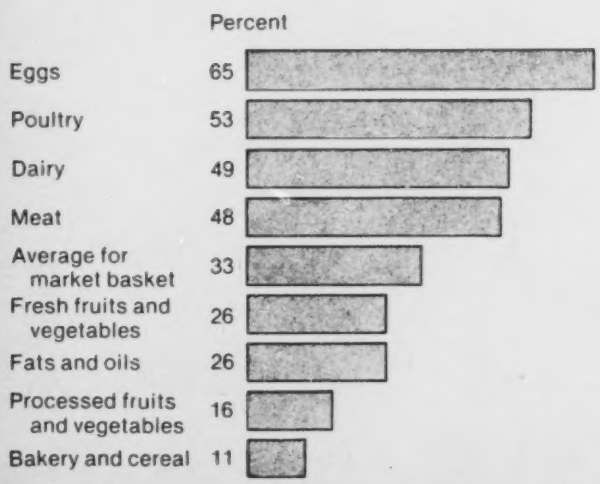
| FRUIT[1] | YEAR | Trees of Bearing Age | | Production | | Price Received | Value of Production |
|---|---|---|---|---|---|---|---|
| | | Number | Acres | Total | Utilized | | |
| | | *1,000* | *1,000* | *Million Pounds* | | *Dollars per Cwt.* | *1,000 Dollars* |
| APPLES[2] | **1984** | **3,900** | **48.0** | **770** | **770** | **8.00** | **61,960** |
| | 1983 | 3,700 | 46.5 | 750 | 750 | 7.70 | 57,540 |
| | 1982 | 3,500 | 44.5 | 980 | 980 | 6.90 | 68,000 |
| | 1981 | 3,300 | 44.0 | 660 | 660 | 9.10 | 59,760 |
| | 1980 | 3,100 | 43.0 | 900 | 900 | 6.20 | 55,600 |
| | 1979 | 2,900 | 42.5 | 680 | 680 | 7.80 | 53,040 |
| | 1978 | 2,800 | 43.3 | 920 | 890 | 7.60 | 67,640 |
| | 1977 | 2,900 | 46.1 | 570 | 570 | 7.90 | 45,030 |
| | 1976 | 3,000 | 48.9 | 480 | 480 | 8.80 | 42,240 |
| | 1975 | 3,100 | 51.7 | 700 | 680 | 5.10 | 34,680 |
| TART CHERRIES | **1984[3]** | **3,200** | **33.3** | **210** | **195** | **25.40** | **49,555** |
| | 1983 | 2,850 | 29.7 | 87 | 87 | 49.10 | 42,721 |
| | 1982 | 2,600 | 27.0 | 260 | 195 | 13.70 | 26,805 |
| | 1981 | 2,650 | 27.8 | 88 | 88 | 46.40 | 40,788 |
| | 1980[4] | 2,700 | 29.4 | 150 | 149 | 20.40 | 30,396 |
| | 1979 | 2,650 | 28.2 | 100 | 100 | 48.50 | 48,500 |
| | 1978 | 2,600 | 27.7 | 128 | 128 | 44.40 | 56,832 |
| | 1977 | 2,750 | 29.3 | 162 | 162 | 29.50 | 47,790 |
| | 1976 | 2,900 | 30.9 | 90 | 90 | 25.40 | 22,860 |
| | 1975 | 3,000 | 34.9 | 222 | 182 | 10.00 | 18,200 |
| SWEET CHERRIES | **1984** | **625** | **7.5** | **66** | **62** | **21.15** | **13,120** |
| | 1983 | 625 | 7.5 | 36 | 36 | 23.00 | 8,272 |
| | 1982 | 625 | 7.5 | 62 | 51 | 19.90 | 10,160 |
| | 1981 | 675 | 8.1 | 46 | 46 | 18.75 | 8,635 |
| | 1980 | 700 | 8.4 | 58 | 58 | 17.70 | 10,266 |
| | 1979 | 775 | 9.3 | 54 | 54 | 20.35 | 10,989 |
| | 1978 | 850 | 10.2 | 75 | 75 | 22.90 | 17,175 |
| | 1977 | 900 | 10.9 | 50 | 50 | 20.45 | 10,225 |
| | 1976 | 950 | 11.6 | 27 | 27 | 18.60 | 5,022 |
| | 1975 | 980 | 12.1 | 62 | 62 | 11.80 | 7,316 |
| PEACHES | **1984** | **525** | **4.9** | **45** | **45** | **17.10** | **7,700** |
| | 1983 | 475 | 4.5 | 35 | 35 | 21.50 | 7,526 |
| | 1982 | 400 | 3.8 | 50 | 50 | 20.90 | 10,459 |
| | 1981 | 425 | 4.1 | 35 | 35 | 19.20 | 6,734 |
| | 1980 | 450 | 4.4 | 40 | 40 | 19.20 | 7,680 |
| | 1979 | 500 | 4.9 | 35 | 35 | 19.40 | 6,790 |
| | 1978 | 700 | 6.9 | 60 | 60 | 16.00 | 9,600 |
| | 1977 | 1,000 | 9.9 | 55 | 55 | 15.60 | 8,580 |
| | 1976 | 1,200 | 11.9 | 40 | 40 | 14.10 | 5,640 |
| | 1975 | 1,260 | 12.7 | 65 | 55 | 13.40 | 7,370 |
| | | | | *Tons* | | *Dollars per Ton* | |
| GRAPES[5] | **1984** | **5,800** | **12.4** | **49,000** | **49,000** | **166** | **8,131** |
| | 1983 | 5,900 | 12.5 | 60,000 | 60,000 | 194 | 11,662 |
| | 1982 | 5,900 | 12.5 | 58,500 | 58,500 | 201 | 11,758 |
| | 1981 | 6,100 | 12.7 | 53,000 | 53,000 | 252 | 13,370 |
| | 1980 | 6,300 | 13.0 | 49,500 | 49,500 | 240 | 11,858 |
| | 1979 | 6,600 | 13.5 | 58,500 | 58,500 | 237 | 13,865 |
| | 1978 | 7,000 | 14.0 | 67,500 | 67,500 | 223 | 15,053 |
| | 1977 | 7,000 | 14.0 | 33,000 | 33,000 | 216 | 7,128 |
| | 1976 | 7,500 | 15.0 | 14,500 | 14,500 | 153 | 2,219 |
| | 1975 | 7,900 | 15.8 | 56,000 | 55,000 | 131 | 7,205 |

## Trees, Acres, Production and Value

| FRUIT[1] | YEAR | Trees of Bearing Age | | Production | | Price Received | Value of Production |
|---|---|---|---|---|---|---|---|
| | | Number | Acres | Total | Utilized | | |
| | | | | *Tons* | | *Dollars per Ton* | |
| PEARS | **1984** | **150** | **1.6** | **11,000** | **11,000** | **219** | **2,404** |
| | 1983 | 165 | 1.7 | 8,000 | 8,000 | 237 | 1,899 |
| | 1982 | 180 | 1.9 | 12,000 | 11,000 | 220 | 2,418 |
| | 1981 | 200 | 2.1 | 9,000 | 9,000 | 224 | 2,016 |
| | 1980 | 225 | 2.4 | 10,000 | 10,000 | 223 | 2,225 |
| | 1979 | 250 | 2.7 | 9,000 | 9,000 | 198 | 1,782 |
| | 1978 | 290 | 3.0 | 10,000 | 10,000 | 201 | 2,010 |
| | 1977 | 450 | 4.8 | 8,000 | 8,000 | 221 | 1,768 |
| | 1976 | 600 | 6.4 | 6,000 | 6,000 | 220 | 1,320 |
| | 1975 | 750 | 7.9 | 15,000 | 15,000 | 140 | 2,100 |
| PRUNES AND PLUMS | **1984** | **275** | **2.8** | **12,000** | **12,000** | **276** | **3,310** |
| | 1983 | 275 | 2.8 | 12,000 | 12,000 | 197 | 2,366 |
| | 1982 | 275 | 2.8 | 10,000 | 10,000 | 256 | 2,565 |
| | 1981 | 300 | 3.1 | 16,000 | 16,000 | 140 | 2,237 |
| | 1980 | 350 | 3.7 | 12,500 | 12,500 | 208 | 2,602 |
| | 1979 | 400 | 4.2 | 14,000 | 14,000 | 207 | 2,898 |
| | 1978 | 450 | 4.8 | 24,000 | 24,000 | 138 | 3,312 |
| | 1977 | 500 | 5.4 | 14,000 | 14,000 | 141 | 1,974 |
| | 1976 | 600 | 6.4 | 16,000 | 16,000 | 133 | 2,128 |
| | 1975 | 700 | 7.4 | 21,000 | 20,000 | 119 | 2,380 |

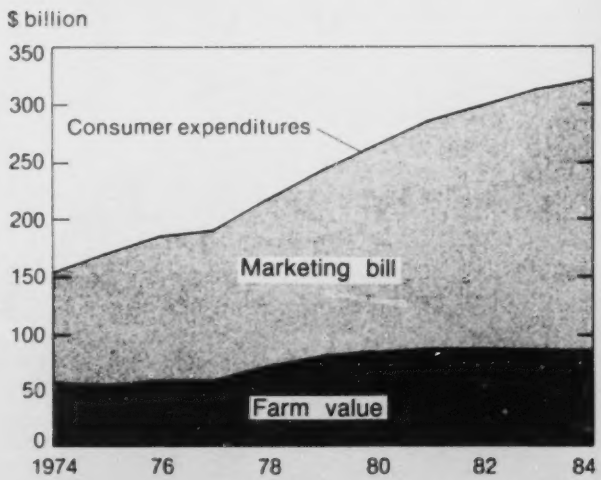
[1] Estimates for 1975-82 may have been revised during the 1982 Census of Agriculture review.
[2] Commercial.
[3] 1984 production defined as production available for harvest.
[4] 25 million pounds storm loss not included in final production.
[5] Vines of bearing age.

### Farm Share of Retail Food Prices, U.S.




1983 data. Based on the payment to farmers for the commodities equivalent to a market basket of foods and the retail price.

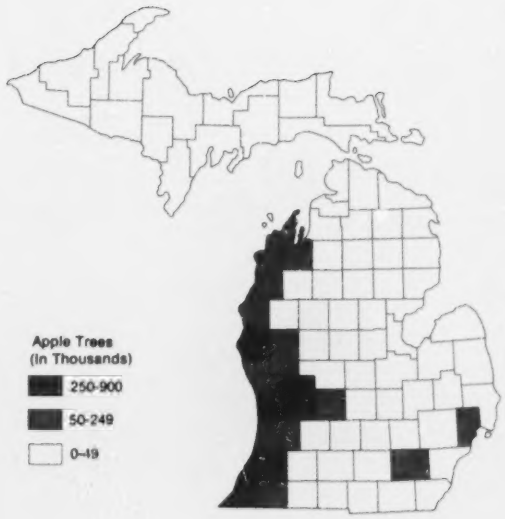
### Marketing Bill, Farm Value, and Expenditures for Farm Foods, U.S.




1983 preliminary. 1984 projected. For domestic farm foods purchased by civilian consumers for consumption both at home and away from home.

# Apples

Apple production in Michigan during 1984 was 3 percent higher than the 1983 production level. The cold and wet spring caused poor pollination. Favorable growing conditions were observed for the remainder of the season. Quality of the crop was very good. Total value of production was 21 percent above 1983. The majority of the State's crop is processed, with juice and cider being the main utilization. Bearing trees have increased by about 1 million or 32 percent from 1979. Michigan continues to rank third nationally in apple production.




## Trees, Production and Value[1]

| YEAR | Trees of Bearing Age | Total Production | Value of Production |
|---|---|---|---|
| | *1,000* | *Million Pounds* | *1,000 Dollars* |
| **1984** | **3,900** | **770** | **61,960** |
| 1983 | 3,700 | 750 | 57,540 |
| 1982 | 3,500 | 980 | 68,000 |
| 1981 | 3,300 | 660 | 59,760 |
| 1980 | 3,100 | 900 | 55,600 |

[1] Commercial.

## Production, Utilization and Price

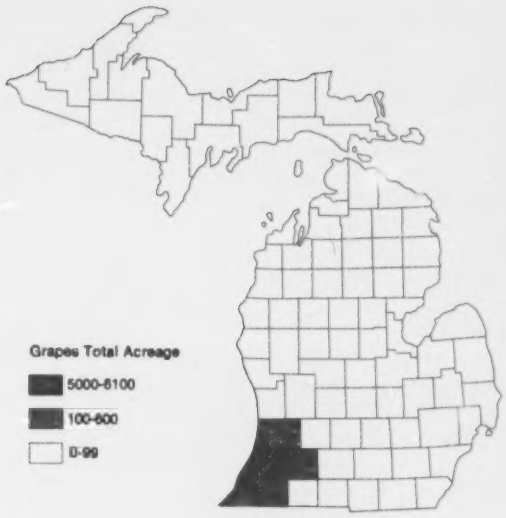
| YEAR | Total Production | Fresh Market | | Processing | | Total Utilization | |
|---|---|---|---|---|---|---|---|
| | | Quantity | Price per Pound | Quantity | Price per Pound | Quantity | Price per Pound |
| | *Million Pounds* | *Million Pounds* | *Cents* | *Million Pounds* | *Cents* | *Million Pounds* | *Cents* |
| **1984** | **770** | **290** | **11.60** | **480** | **5.90** | **770** | **8.00** |
| 1983 | 750 | 270 | 11.00 | 480 | 5.80 | 750 | 7.70 |
| 1982 | 980 | 365 | 9.70 | 615 | 5.25 | 980 | 6.90 |
| 1981 | 660 | 240 | 13.00 | 420 | 6.80 | 660 | 9.10 |
| 1980 | 900 | 325 | 9.50 | 575 | 4.25 | 900 | 6.20 |

## Processing Apple Utilization and Prices

| YEAR | Canned | | Frozen | | Juice and Cider | | Other | |
|---|---|---|---|---|---|---|---|---|
| | Quantity | Price per Pound | Quantity | Price per Pound | Quantity | Price per Pound | Quantity | Price per Pound |
| | *Million Pounds* | *Cents* | *Million Pounds* | *Cents* | *Million Pounds* | *Cents* | *Million Pounds* | *Cents* |
| **1984** | **138** | **6.90** | **85** | **8.30** | **253** | **4.60** | **4** | **5.50** |
| 1983 | 115 | 6.20 | 82 | 9.00 | 278 | 4.70 | 5 | 5.10 |
| 1982 | 143 | 6.35 | 96 | 7.20 | 367 | 4.30 | 9 | 6.00 |
| 1981 | 103 | 7.25 | 98 | 8.10 | 216 | 6.00 | 3 | 8.00 |
| 1980 | 119 | 5.10 | 80 | 5.30 | 331 | 3.60 | 45 | 4.60 |

# Grapes

The smallest grape crop in 5 years was produced in Michigan during 1984. Production was 18 percent below the large crop of 1983. Spring frost and dry summer weather combined to reduce crop size. Number of bunches, berries per bunch and bunch weight were all down from 1983. However the dry weather reduced rot and mildew problems and helped to produce a high quality crop. The Concord variety accounts for about 90 percent of Michigan's production. Most of the State's grape crop is processed into juice. A small but significant wine industry continues to expand to new areas of the State. Michigan remains the Nation's fifth largest producer of grapes.




## Vines, Acres, Production and Value

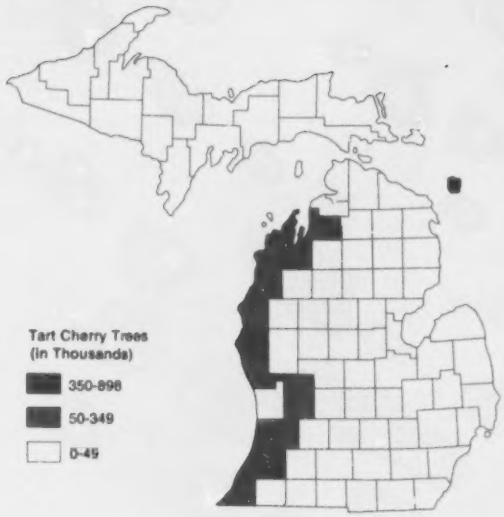
| YEAR | Vines of Bearing Age | | Production | | Price Received | Value of Production |
|---|---|---|---|---|---|---|
| | Number | Acres | Total | Utilized | | |
| | *1,000* | *1,000* | *Tons* | | *Dollars per Ton* | *1,000 Dollars* |
| **1984** | **5,800** | **12.4** | **49,000** | **49,000** | **166** | **8,131** |
| 1983 | 5,900 | 12.5 | 60,000 | 60,000 | 194 | 11,662 |
| 1982 | 5,900 | 12.5 | 58,500 | 58,500 | 201 | 11,758 |
| 1981 | 6,100 | 12.7 | 53,000 | 53,000 | 252 | 13,370 |
| 1980 | 6,300 | 13.0 | 49,500 | 49,500 | 240 | 11,858 |

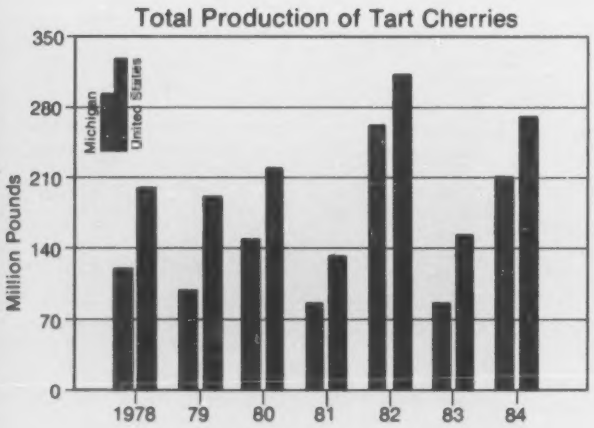
## Production and Utilization

| YEAR | Total Production | Utilized Production | Fresh Market Utilization | Processed Utilization | |
|---|---|---|---|---|---|
| | | | | Juice | Wine |
| | | | *Tons* | | |
| **1984** | **49,000** | **49,000** | **1,700** | **45,900** | **1,400** |
| 1983 | 60,000 | 60,000 | 1,800 | 55,000 | 3,200 |
| 1982 | 58,500 | 58,500 | 2,000 | 53,400 | 3,100 |
| 1981 | 53,000 | 53,000 | 1,600 | 48,400 | 3,000 |
| 1980 | 49,500 | 49,500 | 1,700 | 44,500 | 3,300 |

# Tart Cherries

Tart Cherry production in Michigan for 1984 was almost 2½ times greater than the small 1983 crop, but 19 percent less than the near record 1982 crop. Wet and windy spring weather resulted in less than optimum pollination, but no severe spring freezes occurred. The crops total value for Michigan was 16 percent higher than the year before and almost 85 percent higher tha. 1982. The average price per pound received was the third highest in the last 5 years. Michigan continues to maintain its status as the Nation's leading producer of tart cherries with almost 80 percent of the total U.S. output. There was also a substantial increase in bearing trees due to the heavy plantings in the late 1970's. This increase greatly expands the crop's future production potential.




## Production by Region

| REGION | 1984[1] | 1983 | 1982 | 1981 | 1980[2] |
|---|---|---|---|---|---|
| | *Million Pounds* | | | | |
| Northwest | **115** | 50 | 137 | 35 | 72 |
| West Central | **45** | 12 | 64 | 24 | 37 |
| Southwest | **48** | 24 | 57 | 28 | 39 |
| Other | **2** | 1 | 2 | 1 | 2 |
| State Total | **210** | 87 | 260 | 88 | 150 |

[1] 1984 Production defined as production available for harvest.
[2] 25 million pounds storm loss not included in production.

## Trees, Acres, Production and Value

| YEAR | Trees of Bearing Age | | Production | | Price Received | Value of Production |
|---|---|---|---|---|---|---|
| | Number | Acres | Total | Utilized | | |
| | *1,000* | *1,000* | *Million Pounds* | | *Dollars per Cwt.* | *1,000 Dollars* |
| **1984[1]** | **3,200** | **33.3** | **210** | **195** | **25.40** | **49,555** |
| 1983 | 2,850 | 29.7 | 87 | 87 | 49.10 | 42,721 |
| 1982 | 2,600 | 27.0 | 260 | 195 | 13.70 | 26,805 |
| 1981 | 2,650 | 27.8 | 88 | 88 | 46.40 | 40,788 |
| 1980[2] | 2,700 | 29.4 | 150 | 149 | 20.40 | 30,396 |

[1] 1984 production defined as production available for harvest.
[2] 25 million pounds storm loss not included in total production.

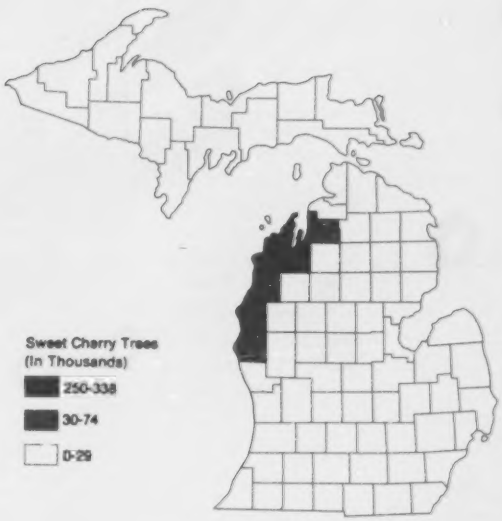
## Tart Cherries Production and Utilization

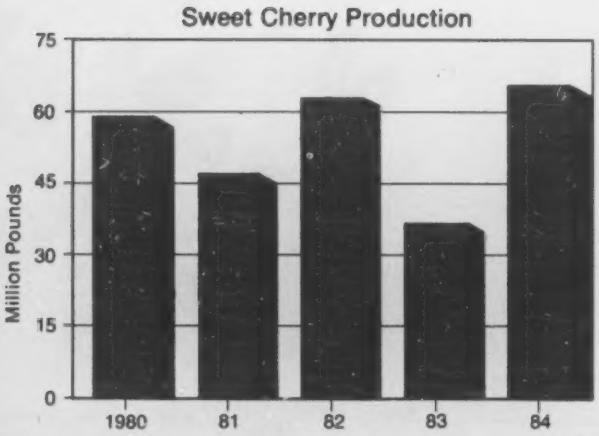
| YEAR | Total Production | Utilized Production | Utilization of Sales | | | |
|---|---|---|---|---|---|---|
| | | | Fresh Market | Processed | | |
| | | | | Canned | Frozen | Other |
| | *Million Pounds* | | | | | |
| **1984**[1] | **210** | **195** | **5** | **54** | **130** | **6** |
| 1983 | 87 | 87 | 2 | 18 | 65 | 2 |
| 1982 | 260 | 195 | 5 | 55 | 132 | 3 |
| 1981 | 88 | 88 | 2 | 27 | 58 | 1 |
| 1980[2] | 150 | 149 | 4 | 52 | 91 | 2 |

[1] 1984 production defined as production available for harvest.
[2] 25 million pounds storm loss not included in total production.

# Sweet Cherries

Michigan production of sweet cherries in 1984 was almost 85 percent higher than the previous years freeze damaged crop. The crop year started with no major freezes but pollinating weather was less than ideal due to a cold, wet and windy spring. Sweet cherry prices fell by 8 percent due to the large crop. Michigan retained it's position as the Nation's third leading producer of sweet cherries. Bearing tree numbers remained the same as the previous year.



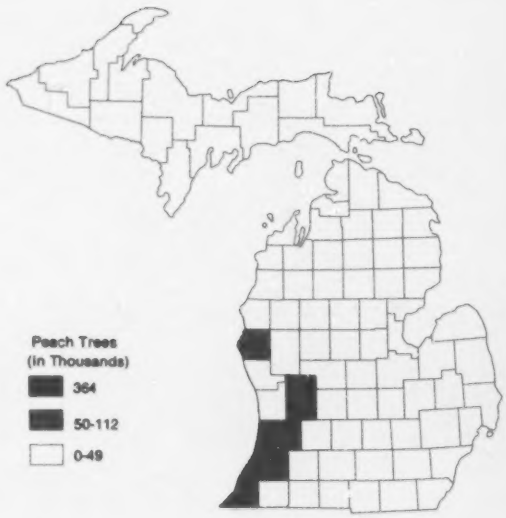

## Production and Utilization

| YEAR | Total Production | Utilized Production | |
|---|---|---|---|
| | | Fresh | Processed |
| | *Million Pounds* | | |
| **1984** | **66** | **6** | **56** |
| 1983 | 36 | 4 | 32 |
| 1982 | 62[1] | 4 | 47 |
| 1981 | 46 | 3 | 43 |
| 1980 | 58 | 4 | 54 |

[1] Total production includes unutilized production of 11 million Lbs. (8 million Lbs. unharvested, 3 million Lbs. harvested not sold.)

# Peaches

The 1984 peach crop encountered no damage from spring frosts. The weather during pollination and fruit growth was generally favorable. Production was almost 30 percent higher than the 1983 harvest. Prices were down about 20 percent, but the value of the states output increased 2 percent. Growers have increased the rate of new planting and bearing trees have risen 31 percent since 1982. Michigan ranked 6th among peach producing states during 1984.




# Prunes and Plums

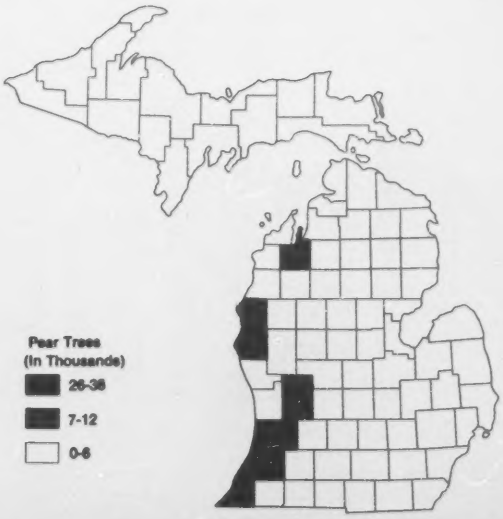
Prune-plum production in Michigan during 1984 remained unchanged from 1983. Crop quality and size were excellent. Prices and total value were up 40 percent from the previous year. Michigan was the Nation's third leading producer of prune-plums in 1984. Bearing tree numbers have declined almost a third from their 1979 level. Tree numbers are expected to level off in future years due to recent plantings.

**Production and Utilization**

| YEAR | Total Production | Utilized Production | |
|---|---|---|---|
| | | Fresh | Processed |
| | *Tons* | | |
| **1984** | **12,000** | **5,500** | **6,500** |
| 1983 | 12,000 | 5,800 | 6,200 |
| 1982 | 10,000 | 5,900 | 4,100 |
| 1981 | 16,000 | 7,400 | 8,600 |
| 1980 | 12,500 | 5,600 | 6,900 |

# Pears

Good bloom weather allowed for an excellent fruit set for Michigan's 1984 pear crop. Production was about 40 percent higher than the 1983 harvest. Quality was excellent throughout the state. The pear price was down 8 percent while the total value was up almost 27 percent. Since 1979 bearing pear tree numbers have declined 40 percent. Michigan ranked 5th among pear producing states in 1984.



# VEGETABLES

Michigan vegetable growers produced almost 11.7 million hundredweight (cwt.) of fresh market and processing vegetables, excluding strawberries, in 1984. This represents an 8 percent increase from the 1983 crop. Asparagus and cucumbers for pickles estimates were reinstated for 1984, but are not included in this production data comparison.

Cool wet weather early in the season delayed plantings for most vegetable crops. Generally favorable weather conditions prevailed the rest of the growing season with high yields being reported for most vegetables. Value of production for all vegetables was $104.1 million, a 9 percent decrease from 1983. Higher prices per unit for lettuce, fresh market tomatoes, and processed carrots were more than offset by price decreases in all other vegetables except processing tomatoes which remained constant. Overall, acreage for harvest totaled 65,700, 2 percent more than the 1983 harvest.

Most of the states vegetables are grown in the southern half of the Lower Peninsula. Michigan's muck soils are utilized for growing crops such as onions, carrots, celery and lettuce. There are ample markets for both processing and fresh market vegetables. Processing vegetables are utilized by both in and out of state processors. Michigan grown produce is shipped to major markets throughout the nation.

## Total Vegetable Acreage, Production and Value

| YEAR | Acres Planted | Acres Harvested | Production | Value |
|---|---|---|---|---|
| | | | *1,000 Cwt.* | *1,000 Dollars* |
| **1984[1]** | **108,500** | **103,900** | **14,936** | **132,276** |
| 1983[2] | 66,700 | 64,400 | 11,675 | 114,739 |
| 1982[2] | 66,900 | 64,300 | 12,472 | 90,744 |
| 1981[1] | 109,150 | 102,950 | 13,420 | 132,132 |

[1] Includes asparagus, carrots, cauliflower, celery, sweet corn, lettuce, onions, tomatoes, processing snap beans, green peas and cucumbers for pickles.
[2] All crops included in footnote one except asparagus and cucumbers for pickles.

## Dual Purpose Vegetable Disposition and Value[1]

| CROP | Year | Fresh Market | | | Processing | | |
|---|---|---|---|---|---|---|---|
| | | Production | Price Received | Value of Production | Production | Price Received | Value of Production |
| | | *1,000 Cwt.* | *Dollars per Cwt.* | *1,000 Dollars* | *Tons* | *Dollars per Ton* | *1,000 Dollars* |
| Asparagus | **1984** | **38** | **66.00** | **2,508** | **9,600** | **1,126.00** | **10,810** |
| | 1983[2] | — | — | — | — | — | — |
| | 1982[2] | — | — | — | — | — | — |
| | 1981 | 53 | 72.00 | 3,816 | 5,900 | 1,165.00 | 6,874 |
| | 1980 | 70 | 65.00 | 4,550 | 8,220 | 908.00 | 7,464 |
| Carrots | **1984** | **1,425** | **13.20** | **18,810** | **30,000** | **51.70** | **1,551** |
| | 1983 | 1,133 | 15.30 | 17,335 | 26,130 | 48.40 | 1,265 |
| | 1982 | 1,092 | 10.30 | 11,248 | 30,860 | 52.50 | 1,620 |
| | 1981 | 830 | 13.50 | 11,205 | 24,300 | 49.50 | 1,203 |
| | 1980 | 880 | 16.30 | 14,371 | 22,980 | 58.00 | 1,333 |
| Strawberries | **1984** | **146** | **41.40** | **6,044** | **2,150** | **480.00** | **1,032** |
| | 1983 | 115 | 55.00 | 6,325 | 2,350 | 888.00 | 2,087 |
| | 1982 | 173 | 55.00 | 9,515 | 2,150 | 912.00 | 1,961 |
| | 1981 | 137 | 49.20 | 6,740 | 1,950 | 798.00 | 1,556 |
| | 1980 | 137 | 51.10 | 7,001 | 1,950 | 696.00 | 1,357 |

[1] Disposition data not publishable for Cauliflower and Celery.
[2] No estimates made.

## Dual Purpose Vegetable Acreage, Production and Value

| CROP | Year | Acres | | Production | | Price Received | Value of Production |
|---|---|---|---|---|---|---|---|
| | | Planted | Harvested | Per Acre | Total | | |
| | | | | *Cwt.* | *1,000 Cwt.* | *Dollars per Cwt.* | *1,000 Dollars* |
| Asparagus | **1984** | **20,000** | **19,200** | **12** | **230** | **57.90** | **13,318** |
| | 1983[1] | — | — | — | — | — | — |
| | 1982[1] | — | — | — | — | — | — |
| | 1981 | 20,000 | 19,000 | 9 | 171 | 62.50 | 10,690 |
| | 1980 | 20,000 | 19,500 | 12 | 234 | 51.30 | 12,014 |
| Carrots | **1984** | **7,600** | **7,500** | **270** | **2,025** | **10.10** | **20,361** |
| | 1983 | 7,400 | 7,200 | 230 | 1,656 | 11.20 | 18,600 |
| | 1982 | 7,500 | 6,700 | 255 | 1,709 | 7.53 | 12,868 |
| | 1981 | 7,000 | 5,600 | 235 | 1,316 | 9.43 | 12,408 |
| | 1980 | 6,800 | 5,600 | 239 | 1,340 | 11.70 | 15,704 |
| Cauliflower | **1984** | **1,600** | **1,500** | **65** | **98** | **35.10** | **3,441** |
| | 1983 | 1,600 | 1,400 | 55 | 77 | 35.30 | 2,717 |
| | 1982 | 1,600 | 1,500 | 58 | 87 | 29.50 | 2,569 |
| | 1981 | 1,400 | 1,200 | 62 | 74 | 38.60 | 2,854 |
| | 1980 | 1,200 | 1,000 | 50 | 50 | 36.50 | 1,824 |
| Celery | **1984** | **4,000** | **3,900** | **400** | **1,560** | **9.87** | **15,403** |
| | 1983 | 3,600 | 3,500 | 370 | 1,295 | 12.70 | 16,504 |
| | 1982 | 3,500 | 3,300 | 470 | 1,551 | 10.60 | 16,400 |
| | 1981 | 3,400 | 3,200 | 450 | 1,440 | 11.00 | 15,784 |
| | 1980 | 3,200 | 3,100 | 447 | 1,387 | 9.29 | 12,890 |
| Strawberries | **1984** | **2,800** | **2,700** | **70** | **189** | **37.40** | **7,076** |
| | 1983 | 2,800 | 2,700 | 60 | 162 | 51.90 | 8,412 |
| | 1982 | 2,800 | 2,700 | 80 | 216 | 53.10 | 11,476 |
| | 1981 | 2,800 | 2,700 | 65 | 176 | 47.10 | 8,296 |
| | 1980 | 2,800 | 2,700 | 65 | 176 | 47.50 | 8,358 |

[1] No estimates made.

## Processing Vegetable Acreage, Production and Value[1]

| CROP | Year | Acres | | Production | | Price Received | Value of Production |
|---|---|---|---|---|---|---|---|
| | | Planted | Harvested | Per Acre | Total | | |
| | | | | *Tons* | | *Dollars per Ton* | *1,000 Dollars* |
| Snap Beans | **1984** | **18,400** | **17,500** | **2.80** | **49,000** | **136.00** | **6,664** |
| | 1983 | 15,100 | 14,800 | 2.80 | 41,440 | 144.00 | 5,967 |
| | 1982 | 14,600 | 14,200 | 2.58 | 36,640 | 145.00 | 5,313 |
| | 1981 | 14,600 | 14,300 | 2.53 | 36,180 | 160.00 | 5,789 |
| | 1980 | 14,600 | 13,700 | 2.80 | 38,360 | 156.00 | 5,984 |
| Cucumbers, for Pickles | **1984** | **19,700** | **19,000** | **5.50** | **104,500** | **142.00** | **14,839** |
| | 1983[2] | — | — | — | — | — | — |
| | 1982[2] | — | — | — | — | — | — |
| | 1981 | 16,300 | 15,500 | 6.50 | 100,750 | 135.00 | 13,601 |
| | 1980 | 19,000 | 18,900 | 5.56 | 105,080 | 125.00 | 13,135 |
| Tomatoes | **1984** | **8,000** | **7,400** | **23.50** | **173,900** | **84.00** | **14,608** |
| | 1983 | 9,300 | 9,200 | 19.90 | 183,080 | 84.00 | 15,379 |
| | 1982 | 9,800 | 9,700 | 21.10 | 204,670 | 92.60 | 18,952 |
| | 1981 | 6,400 | 6,200 | 19.08 | 118,300 | 86.00 | 10,174 |
| | 1980 | 6,100 | 6,000 | 12.28 | 73,680 | 72.90 | 5,371 |

[1] Green Peas not published to avoid disclosure of individual operations.
[2] No estimates made.

## Fresh Market Vegetable Acreage, Production and Value

| CROP | Year | Acres | | Production | | Price Received | Value of Production[1] |
|---|---|---|---|---|---|---|---|
| | | Planted | Harvested | Per Acre | Total | | |
| | | | | *Cwt.* | *1,000 Cwt.* | *Dollars per Cwt.* | *1,000 Dollars* |
| Corn, Sweet | **1984** | **13,300** | **12,800** | **65** | **800** | **10.80** | **8,640** |
| | 1983 | 13,300 | 13,000 | 70 | 896 | 11.10 | 9,946 |
| | 1982 | 13,300 | 13,000 | 66 | 858 | 8.81 | 7,559 |
| | 1981 | 12,500 | 12,000 | 61 | 732 | 9.84 | 7,203 |
| | 1980 | 11,700 | 11,500 | 67 | 771 | 8.92 | 6,877 |
| Lettuce | **1984** | **1,200** | **1,100** | **235** | **259** | **15.70** | **4,066** |
| | 1983 | 1,600 | 1,200 | 190 | 228 | 15.00 | 3,420 |
| | 1982 | 1,600 | 1,500 | 250 | 375 | 13.80 | 5,175 |
| | 1981 | 1,400 | 1,200 | 215 | 258 | 18.00 | 4,644 |
| | 1980 | 1,600 | 1,200 | 210 | 252 | 15.00 | 3,780 |
| Onions | **1984** | **8,600** | **8,500** | **345** | **2,933** | **7.30** | **18,141** |
| | 1983 | 8,400 | 8,300 | 310 | 2,573 | 14.30 | 30,373 |
| | 1982 | 8,200 | 8,000 | 320 | 2,560 | 6.11 | 12,941 |
| | 1981 | 7,900 | 7,700 | 335 | 2,580 | 10.70 | 22,973 |
| | 1980 | 7,700 | 7,400 | 250 | 1,850 | 13.20 | 18,995 |
| Tomatoes | **1984** | **3,600** | **3,500** | **120** | **420** | **28.80** | **12,096** |
| | 1983 | 3,600 | 3,300 | 120 | 396 | 28.10 | 11,128 |
| | 1982 | 3,800 | 3,500 | 115 | 403 | 19.60 | 7,899 |
| | 1981 | 3,600 | 3,400 | 115 | 391 | 24.50 | 9,580 |
| | 1980 | 3,700 | 3,400 | 110 | 374 | 24.50 | 9,163 |

[1] For onions — Value of sales.

## Mushrooms

Michigan mushroom production increased 11 percent during the fiscal year ending June 30, 1985. A 4 percent decrease in square footage was more than offset by a 16 percent increase in yield. Michigan's mushrooms are grown in specially built mushroom houses where humidity and temperatures are carefully controlled year-round. The available square footage can be filled three or more times during the year to account for the total area in production. Michigan is the Nation's third ranking mushroom producing state.

### Area, Production, Value

| YEAR | Total Area in Production | Production | Yield per Square Foot | Price per Pound | Value of Production |
|---|---|---|---|---|---|
| | *1,000 Sq. Ft.* | *1,000 Pounds* | *Pounds* | *Cents* | *1,000 Dollars* |
| **1984-85** | **4,504** | **19,501** | **4.33** | **83.5** | **16,276** |
| 1983-84 | 4,709 | 17,506 | 3.72 | 93.5 | 16,365 |
| 1982-83 | 5,911 | 18,865 | 3.19 | 83.0 | 15,661 |
| 1981-82 | 5,292 | 19,044 | 3.60 | 70.6 | 13,436 |
| 1980-81 | 7,363 | 21,221 | 2.88 | 76.9 | 16,324 |

# FLORICULTURE

The Michigan floriculture estimating program was reinstated for the 1984 growing year. Estimates included in this report represent the first data collected since 1981.

Michigan commercial floriculture growers reported sales totaling $67.4 million for 1984. Commercial growers are those having $10,000 or more of gross sales from selected cut flowers, potted plants, bedding plants and foliage plants. This was up 24 percent from the $54.5 million reported in 1981. Michigan led the nation in producing flowering and vegetable bedding plants. Bedding plants were the leading revenue producer in 1984 accounting for half of Michigan's total value of wholesale sales. Michigan was also the second leading state in producing gladioli and potted lilies.

## Area of Production and Average Value

| PLANT | Production Area | | | Average Value of Production Area[1] | | |
|---|---|---|---|---|---|---|
| | 1984 | 1981 | 1980 | 1984 | 1981 | 1980 |
| | *1,000 Sq. Ft.* | | | *Dollars per Sq. Ft.* | | |
| FOLIAGE PLANTS: | | | | | | |
| All | **1,380** | 1,245 | 1,296 | 3.80 | 4.00 | 3.53 |
| BEDDING PLANTS: | | | | | | |
| Flowering | **10,110** | 7,603 | 7,349 | 2.74 | 2.68 | 2.40 |
| Vegetable | **2,600** | 2,600 | 2,577 | 2.52 | 2.38 | 2.21 |
| FLOWERING POT PLANTS: | | | | | | |
| Chrysanthemums | **1,520** | 1,185 | 1,200 | 3.34 | 3.38 | 3.32 |
| Geraniums | **2,450** | 2,050 | 2,068 | 2.79 | 2.61 | 2.28 |
| Hydrangeas | **75** | 90 | 84 | 2.60 | 2.83 | 2.29 |
| Lilies | **495** | 480 | 476 | 4.79 | 3.49 | 3.13 |
| Poinsettias | **3,430** | 2,108 | 2,130 | 1.94 | 1.94 | 1.90 |
| CUT FLOWERS: | | | | | | |
| Chrysanthemums | | | | | | |
| Standard | **125** | 145 | 136 | 2.52 | 1.96 | 1.93 |
| Pompon | **190** | 220 | 216 | 2.51 | 2.42 | 2.17 |
| Roses | | | | | | |
| Hybrid Tea | **460** | 540 | 546 | 5.54 | 6.80 | 5.86 |
| Sweetheart | **215** | 166 | 166 | 5.24 | 8.33 | 7.50 |
| Snapdragons | **100** | 155 | 155 | 2.00 | 1.34 | 1.24 |
| | | *Acres* | | | *Dollars per Acre* | |
| Gladioli | **640** | 440 | 435 | 3,305 | 3,323 | 2,903 |

[1] Based on Value of Sales at Wholesale, except foliage which is based on net value of sales.

## Foliage Plant Production and Sales

| YEAR | Producers with Sales Over $10,000 | Square Feet in Production | Net Value of Sales[1] | Sales at Wholesale |
|---|---|---|---|---|
| | *Number* | *1,000 Sq. Ft.* | *1,000 Dollars* | *Percent* |
| **1984** | **167** | **1,380** | **5,245** | **70** |
| 1981 | 145 | 1,245 | 4,980 | 69 |
| 1980 | 140 | 1,296 | 4,581 | 65 |

[1] Gross value of sales less cost of plant material purchased from others.

## Bedding Plant and Flower Production and Sales

| CROP | YEAR | Producers with Sales Over $10,000 | Sales | | Percent of Sales at Wholesale | Wholesale | | Value of Sales at Wholesale[1] |
|---|---|---|---|---|---|---|---|---|
| | | | Unit | Quantity | | Unit | Price | |
| | | *Number* | | *1,000* | *Percent* | | | *1,000 Dollars* |
| BEDDING PLANTS: | | | | | | | | |
| Flowering | **1984** | **335** | **Flat** | **5,835** | **84** | **Dollars** | **4.75** | **27,716** |
| | 1981 | 310 | Flat | 4,842 | 88 | Dollars | 4.21 | 20,385 |
| | 1980 | 320 | Flat | 4,572 | 86 | Dollars | 3.86 | 17,648 |
| Vegetable | **1984** | **303** | **Flat** | **1,425** | **81** | **Dollars** | **4.60** | **6,555** |
| | 1981 | 280 | Flat | 1,586 | 86 | Dollars | 3.90 | 6,185 |
| | 1980 | 280 | Flat | 1,533 | 84 | Dollars | 3.72 | 5,703 |
| FLOWERING POT PLANTS: | | | | | | | | |
| Chrysanthemums | **1984** | **128** | **Pot** | **1,880** | **91** | **Dollars** | **2.70** | **5,076** |
| | 1981 | 125 | Pot | 1,541 | 85 | Dollars | 2.60 | 4,007 |
| | 1980 | 130 | Pot | 1,560 | 87 | Dollars | 2.55 | 3,978 |
| Geraniums | **1984** | **315** | **Pot** | **9,750** | **79** | **Cents** | **70.0** | **6,825** |
| | 1981 | 255 | Pot | 6,765 | 77 | Cents | 79.0 | 5,344 |
| | 1980 | 260 | Pot | 6,745 | 77 | Cents | 70.0 | 4,722 |
| Hydrangeas | **1984** | **36** | **Pot** | **55** | **90** | **Dollars** | **3.55** | **195** |
| | 1981 | 36 | Pot | 79 | 80 | Dollars | 3.40 | 255 |
| | 1980 | 37 | Pot | 61 | 89 | Dollars | 3.15 | 192 |
| Lilies | **1984** | **111** | **Pot** | **790** | **94** | **Dollars** | **3.00** | **2,370** |
| | 1981 | 105 | Pot | 600 | 93 | Dollars | 2.79 | 1,674 |
| | 1980 | 107 | Pot | 553 | 93 | Dollars | 2.69 | 1,488 |
| Poinsettias | **1984** | **171** | **Pot** | **2,335** | **84** | **Dollars** | **2.85** | **6,655** |
| | 1981 | 150 | Pot | 1,457 | 84 | Dollars | 2.81 | 4,094 |
| | 1980 | 158 | Pot | 1,479 | 88 | Dollars | 2.74 | 4,052 |
| CUT FLOWERS: | | | | | | | | |
| Chrysanthemums, Standard | **1984** | **42** | **Bloom** | **525** | **48** | **Cents** | **60.0** | **315** |
| | 1981 | 45 | Bloom | 470 | 75 | Cents | 60.4 | 284 |
| | 1980 | 51 | Bloom | 463 | 70 | Cents | 56.8 | 263 |
| Pompon | **1984** | **54** | **Bunch** | **180** | **45** | **Dollars** | **2.65** | **477** |
| | 1981 | 60 | Bunch | 237 | 55 | Dollars | 2.25 | 533 |
| | 1980 | 59 | Bunch | 234 | 50 | Dollars | 2.00 | 468 |
| Roses, Hybrid Tea | **1984** | **16** | **Bloom** | **5,100** | **97** | **Cents** | **50.0** | **2,550** |
| | 1981 | 14 | Bloom | 7,182 | 99 | Cents | 51.1 | 3,670 |
| | 1980 | 12 | Bloom | 7,116 | 99 | Cents | 45.0 | 3,202 |
| Sweetheart | **1984** | **8** | **Bloom** | **3,220** | **99** | **Cents** | **35.0** | **1,127** |
| | 1981 | 5 | Bloom | 3,500 | 100 | Cents | 39.5 | 1,383 |
| | 1980 | 7 | Bloom | 3,430 | 97 | Cents | 36.3 | 1,245 |
| Snapdragons | **1984** | **34** | **Stem** | **570** | **71** | **Cents** | **35.0** | **200** |
| | 1981 | 45 | Stem | 667 | 60 | Cents | 31.2 | 208 |
| | 1980 | 48 | Stem | 674 | 56 | Cents | 28.5 | 192 |
| Gladioli | **1984** | **17** | **Spike** | **19,230** | **99** | **Cents** | **11.0** | **2,115** |
| | 1981 | 16 | Spike | 9,680 | 95 | Cents | 15.1 | 1,462 |
| | 1980 | 17 | Spike | 9,353 | 97 | Cents | 13.5 | 1,263 |

[1] Equivalent wholesale value of all sales.

# LIVESTOCK AND POULTRY

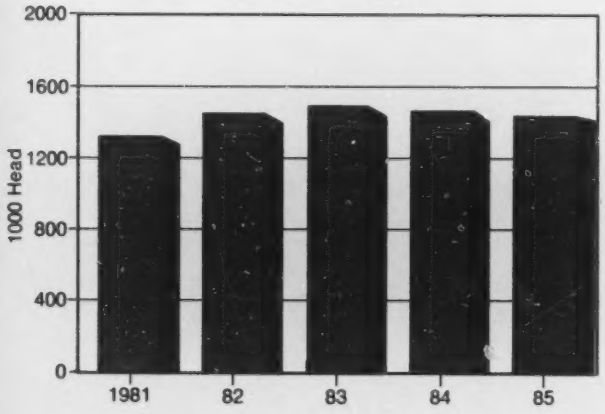
## General Information

Livestock and associated products are an important part of Michigan's agricultural economy. Overall, 1984 was not a good year for most livestock producers. Prices for most livestock and products were steady to lower. Poultry and sheep producers fared the best as market prices for their commodities showed strong increases. Total livestock cash receipts declined 1 percent from 1983. Livestock accounted for 44 percent of Michigan's cash receipts from farming. Dairying, the leading livestock enterprise in Michigan, accounted for nearly 60 percent of the total 1984 livestock receipts. Nationally, Michigan placed sixth in milk cows and milk production. Michigan also ranks high in the production of various manufactured dairy products.

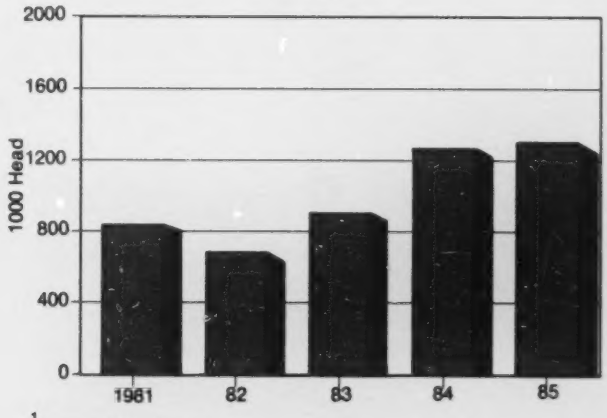
The recent expansion in Michigan hog production continued in 1984, but the pace of expansion slowed considerably. The December hog inventory of 1.31 million head was the highest Michigan inventory since 1944. Hog cash receipts rose 25 percent as higher marketings offset slightly lower market prices. A major concern of pork producers during 1984 was the large increase in imports of live Canadian slaughter hogs. Imports exceeded 1.3 million head during 1984, nearly triple the 1983 level. Imports increased even more sharply in early 1985 until the U.S. Commerce Department imposed countervailing duties on live hogs from Canada. Cattle inventory numbers dropped again during 1984 and cattle marketings and cash receipts also dropped. Slaughter steer and heifer prices did show a slight increase, but slaughter cow and calf prices declined. Stock sheep numbers held steady, while lamb crop and lamb marketings increased. Slaughter lamb prices rose to their highest level since 1980, boosting sheep receipts 35 percent.

Higher 1984 egg prices and increased production led to an 18 percent jump in egg receipts. Turkey production increased and market prices rose 26 percent during 1984, thus cash receipts were up 39 percent from the previous year. Higher market prices resulted in a 13 percent gain in broiler receipts. A recent trend in Michigan has seen increased numbers of Angora goats and dairy goats raised. Angora goats are raised primarily for the mohair fiber they produce.

Cattle and Calves

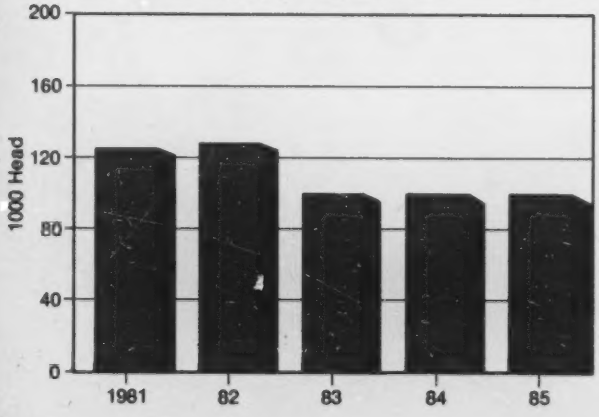



Hogs[1]

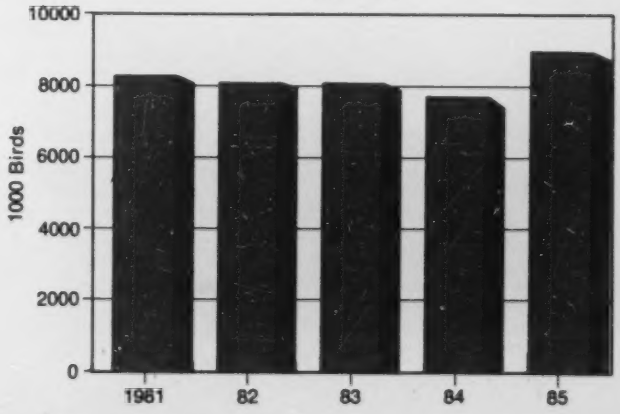



[1] December 1 of previous year

Sheep and Lambs




Chickens[1]




[1] December 1 of previous year

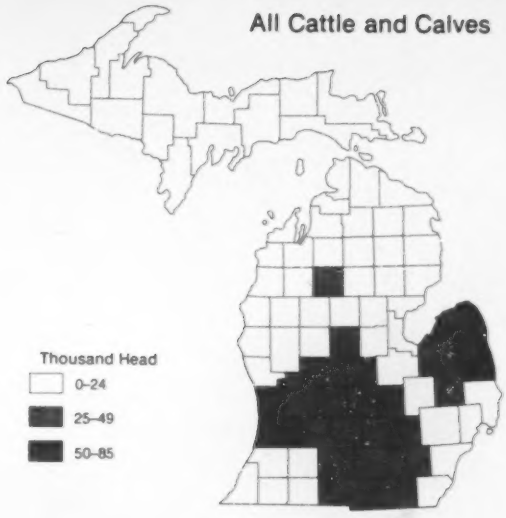
## Number and Value of Livestock and Poultry, January 1

| SPECIES AND YEAR | Michigan | | | United States | | |
|---|---|---|---|---|---|---|
| | Number | Value Per Head or Bird | Total Value | Number | Value Per Head or Bird | Total Value |
| | *1,000* | *Dollars* | *1,000 Dollars* | *1,000* | *Dollars* | *1,000 Dollars* |
| ALL CATTLE AND CALVES | | | | | | |
| **1985** | **1,450** | **500.00** | **725,000** | **109,801** | **402.00** | **44,147,243** |
| 1984 | 1,475 | 500.00 | 737,500 | 113,700 | 396.00 | 44,975,575 |
| 1983 | 1,500 | 540.00 | 810,000 | 115,001 | 406.00 | 46,708,350 |
| 1982 | 1,450 | 580.00 | 841,000 | 115,444 | 415.00 | 47,905,367 |
| 1981 | 1,340 | 660.00 | 884,400 | 114,351 | 473.00 | 54,123,534 |
| ALL HOGS AND PIGS[1] | | | | | | |
| **1985** | **1,310** | **82.50** | **108,075** | **54,043** | **75.00** | **4,053,714** |
| 1984 | 1,250 | 62.50 | 78,125 | 56,694 | 58.80 | 3,330,803 |
| 1983 | 900 | 87.50 | 78,750 | 54,534 | 89.90 | 4,903,494 |
| 1982 | 690 | 73.00 | 50,370 | 58,698 | 70.10 | 4,114,350 |
| 1981 | 830 | 79.50 | 65,985 | 64,462 | 74.70 | 4,815,218 |
| ALL SHEEP AND LAMBS | | | | | | |
| **1985** | **110** | **68.50** | **7,535** | **10,443** | **61.10** | **637,880** |
| 1984 | 110 | 63.00 | 6,930 | 11,487 | 52.10 | 598,904 |
| 1983 | 110 | 58.50 | 6,435 | 12,140 | 51.80 | 628,599 |
| 1982 | 125 | 63.50 | 7,938 | 12,997 | 57.10 | 742,139 |
| 1981 | 124 | 75.00 | 9,300 | 12,947 | 69.90 | 904,303 |
| ALL CHICKENS[1] | | | | | | |
| **1985** | **9,000** | **1.60** | **14,400** | **373,953** | **2.02** | **755,618** |
| 1984 | 7,750 | 1.60 | 12,400 | 364,880 | 1.96 | 716,700 |
| 1983 | 8,100 | 1.45 | 11,745 | 379,219 | 1.85 | 702,556 |
| 1982 | 8,100 | 1.50 | 12,150 | 385,338 | 1.89 | 728,460 |
| 1981 | 8,200 | 1.35 | 11,070 | 391,931 | 1.88 | 737,495 |
| TURKEYS — Breeder Hens[1] | | | | | | |
| **1985** | **38** | **17.00** | **646** | **3,159** | **16.54** | **52,244** |
| 1984 | 38 | 15.00 | 570 | 3,155 | 17.59 | 55,500 |
| 1983 | 45 | 14.00 | 630 | 3,429 | 14.60 | 50,053 |
| 1982 | 50 | 12.00 | 600 | 3,514 | 15.35 | 53,962 |
| 1981 | 52 | 18.00 | 936 | 3,749 | 14.11 | 52,887 |
| TOTAL VALUE — ALL SPECIES | | | | | | |
| **1985** | — | — | **855,656** | — | — | **49,646,699** |
| 1984 | — | — | 835,525 | — | — | 49,677,482 |
| 1983 | — | — | 907,560 | — | — | 52,993,052 |
| 1982 | — | — | 912,058 | — | — | 53,544,278 |
| 1981 | — | — | 971,691 | — | — | 60,633,437 |

[1] December 1 of previous year.

# Cattle and Calves

Cattle numbers in Michigan declined for the second consecutive year during 1984. The January 1, 1985 inventory of 1,450,000 head was down 2 percent from a year earlier. The record high Michigan cattle inventory was 2,036,000 head, established in 1944. Cattle classes which showed the largest declines were milk cows, steers, and other heifers weighing over 500 pounds. Beef replacement heifers continued their steady decline. The only classes showing significant increases were milk replacement heifers and calves weighing less than 500 pounds. The milk replacement heifer inventory reached its highest level since 1976. Cash receipts from cattle marketings declined 2 percent during 1984. Average market prices increased for cattle, but declined for calves. Total marketings were down 2 percent from the previous year. Commercial cattle slaughter totaled 595,000 head during 1984, the largest annual total for Michigan since 1978.




## Number on Farms by Class, January 1

| CLASS | 1985 | 1984 | 1983 | 1982 | 1981 |
|---|---|---|---|---|---|
| | | | *1,000 Head* | | |
| Cows and Heifers that have Calved | **550** | 560 | 595 | 590 | 550 |
| Beef Cows | **160** | 158 | 195 | 194 | 160 |
| Milk Cows | **390** | 402 | 400 | 396 | 390 |
| Heifers, 500 pounds and over | **274** | 282 | 290 | 269 | 250 |
| For Beef Cow replacement | **32** | 36 | 52 | 40 | 36 |
| For Milk Cow replacement | **195** | 180 | 186 | 184 | 170 |
| Other Heifers | **47** | 66 | 52 | 45 | 44 |
| Steers, 500 pounds and over | **210** | 230 | 193 | 195 | 177 |
| Bulls, 500 pounds and over | **22** | 23 | 24 | 20 | 19 |
| Calves, less than 500 pounds | **394** | 380 | 398 | 376 | 344 |
| All Cattle and Calves | **1,450** | 1,475 | 1,500 | 1,450 | 1,340 |
| Number of Cattle Operations[1] | **31,000** | 32,000 | 33,000 | 32,000 | 32,000 |

[1] Any place having one or more head on hand at any time during the year.

## Balance Sheet

| YEAR | On Hand January 1, All Cattle and Calves | Calf Crop | Inship-ments | Marketings[1] | | Farm Slaughter[2] | Deaths | | On Hand Following January 1, All Cattle and Calves |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Cattle | Calves | Cattle and Calves | Cattle | Calves | |
| | | | | | *1,000 Head* | | | | |
| **1984** | **1,475** | **525** | **100** | **480** | **56** | **9** | **25** | **80** | **1,450** |
| 1983 | 1,500 | 525 | 130 | 480 | 68 | 10 | 27 | 95 | 1,475 |
| 1982 | 1,450 | 550 | 135 | 444 | 56 | 11 | 34 | 90 | 1,500 |
| 1981 | 1,340 | 500 | 110 | 332 | 40 | 8 | 30 | 90 | 1,450 |
| 1980 | 1,310 | 475 | 100 | 374 | 56 | 6 | 32 | 77 | 1,340 |

[1] Includes custom slaughter and state out shipments, but excludes interfarm sales within Michigan.
[2] Excludes custom slaughter for farmers at commercial establishments.

## Cattle and Calves Production and Income

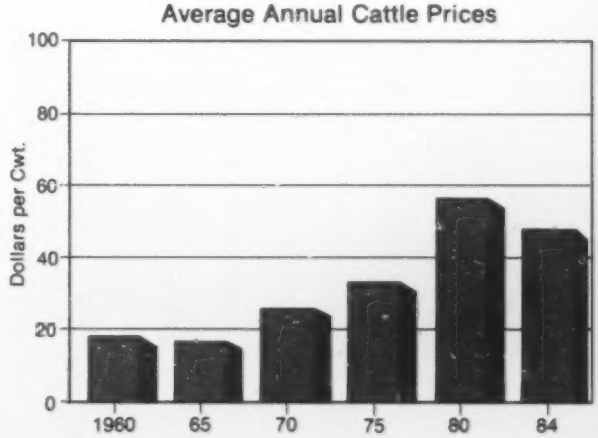
| YEAR | Production[1] | Marketings[2] | Average Price per Cwt. | | Value of Production | Cash Receipts[3] | Value of Home Consumption | Gross Income |
|---|---|---|---|---|---|---|---|---|
| | | | Cattle | Calves | | | | |
| | *1,000 Pounds* | | *Dollars* | | | *1,000 Dollars* | | |
| **1984** | **454,130** | **513,440** | **48.20** | **54.10** | **219,996** | **248,224** | **13,002** | **261,226** |
| 1983 | 461,000 | 532,680 | 47.20 | 57.00 | 218,661 | 252,844 | 16,660 | 269,504 |
| 1982 | 461,780 | 486,330 | 48.00 | 57.20 | 223,558 | 234,484 | 18,835 | 253,319 |
| 1981 | 415,130 | 367,260 | 49.50 | 65.20 | 208,720 | 183,207 | 16,338 | 199,545 |
| 1980 | 392,860 | 429,570 | 55.90 | 82.50 | 226,336 | 243,689 | 11,756 | 255,445 |

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

## Cattle on Feed for Slaughter

| YEAR | January 1 |
|---|---|
| | *1,000 Head* |
| **1985** | **165** |
| 1984 | 175 |
| 1983 | 150 |
| 1982 | 135 |
| 1981 | 160 |

### Average Annual Cattle Prices




## Commercial Slaughter

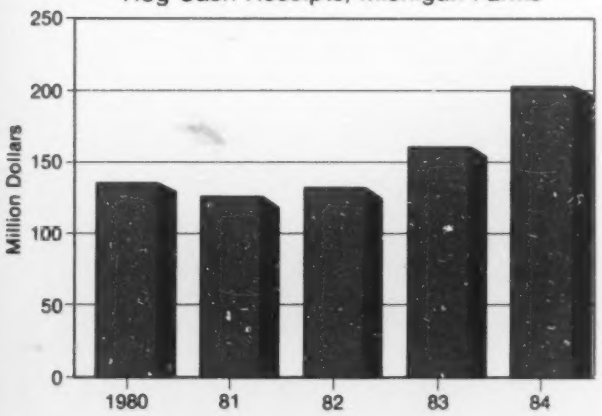
| YEAR AND MONTH | Cattle | | | Calves | | |
|---|---|---|---|---|---|---|
| | Head | Liveweight | | Head | Liveweight | |
| | | Per Head | Total | | Per Head | Total |
| | *1,000* | *Pounds* | *1,000 Pounds* | *1,000* | *Pounds* | *1,000 Pounds* |
| **1984 January** | **51.4** | **1,089** | **55,930** | **7.0** | **241** | **1,680** |
| **February** | **44.4** | **1,090** | **48,357** | **6.0** | **247** | **1,491** |
| **March** | **46.7** | **1,095** | **51,132** | **8.2** | **243** | **2,000** |
| **April** | **43.0** | **1,106** | **47,512** | **6.5** | **244** | **1,578** |
| **May** | **50.5** | **1,104** | **55,763** | **6.5** | **238** | **1,548** |
| **June** | **50.4** | **1,102** | **55,564** | **5.5** | **251** | **1,392** |
| **July** | **50.1** | **1,085** | **54,338** | **6.9** | **242** | **1,681** |
| **August** | **54.9** | **1,086** | **59,628** | **6.3** | **237** | **1,485** |
| **September** | **46.7** | **1,083** | **50,583** | **5.8** | **232** | **1,336** |
| **October** | **54.0** | **1,081** | **58,308** | **7.0** | **245** | **1,721** |
| **November** | **51.7** | **1,086** | **56,180** | **7.7** | **249** | **1,923** |
| **December** | **50.9** | **1,120** | **57,008** | **7.1** | **251** | **1,795** |
| **1984[1]** | **595** | **1,094** | **650,304** | **81** | **243** | **19,631** |
| 1983 | 537 | 1,145 | 614,551 | 75 | 235 | 17,513 |
| 1982 | 555 | 1,168 | 648,062 | 74 | 234 | 17,316 |
| 1981 | 503 | 1,198 | 602,668 | 80 | 254 | 20,425 |
| 1980 | 465 | 1,173 | 545,401 | 76 | 255 | 19,479 |

[1] Months may not add exactly to annual totals because of rounding.

# Hogs

Hog production continued to expand in Michigan during 1984, but the pace of expansion slowed considerably. The December 1, 1984, inventory of 1.31 million hogs was second only to the record inventory of 1.4 million established in 1944. Michigan moved up to 11th nationally in hog inventory. While market hog numbers rose for the third consecutive year, a 9 percent decline in the breeding hog inventory indicated that the recent growth in production has slowed. Annual hog marketings increased 25 percent to nearly 1.9 million head, as hog cash receipts soared to nearly $204 million. Market hog prices declined for the second straight year, prompting many producers to make cutbacks in their breeding herds. The vast majority of hogs are produced in Southwest and South Central counties, however production has recently been on the upswing in many Northern and Central counties. During 1984, over 5.3 million hogs were butchered in Michigan slaughter facilities, placing the State fourth nationally in hog slaughter.

Hog Cash Receipts, Michigan Farms




All Hogs and Pigs

## Number on Farms by Class and Number of Operations

| CLASS | 1984 Dec. 1 | 1983 Dec. 1 | 1982[1] Dec. 1 | 1981 Dec. 1 | 1981 June 1 | 1980 Dec. 1 | 1980 June 1 |
|---|---|---|---|---|---|---|---|
| | | | | *1,000 Head* | | | |
| Breeding Hogs | **155** | 170 | 150 | 105 | 129 | 120 | 162 |
| Market Hogs | **1,155** | 1,080 | 750 | 585 | 651 | 710 | 738 |
| All Hogs | **1,310** | 1,250 | 900 | 690 | 780 | 830 | 900 |
| Number of Hog Operations[2] | **8,500** | 9,000 | 8,500 | 9,200 | | 9,600 | |

[1] June 1 estimates discontinued.
[2] Any place having one or more head on hand at any time during the year.

## Pig Crop

| YEAR | December-May Sows Farrowed | December-May Pigs per Litter | December-May Pig Crop | June-November Sows Farrowed | June-November Pigs per Litter | June-November Pig Crop |
|---|---|---|---|---|---|---|
| | *1,000 Head* | *Head* | *1,000 Head* | | *Head* | *1,000 Head* |
| **1984** | **110** | **7.5** | **825** | **150** | **7.7** | **1,155** |
| 1983 | 100 | 7.5 | 750 | 148 | 7.6 | 1,125 |
| 1982 | 85 | 7.5 | 638 | 100 | 7.4 | 740 |
| 1981 | 86 | 7.7 | 662 | 75 | 7.5 | 563 |
| 1980 | 112 | 6.9 | 773 | 95 | 6.8 | 646 |

## Balance Sheet

| YEAR | Beginning Inventory | Pig Crop | | Inship-ments | Market-ings[1] | Farm Slaughter[2] | Deaths | Number on Hand December 1 |
|---|---|---|---|---|---|---|---|---|
| | | Dec.-May | June-Nov. | | | | | |
| | *1,000 Head* | | | | | | | |
| **1984** | **1,250** | **825** | **1,155** | **85** | **1,860** | **10** | **135** | **1,310** |
| 1983 | 900 | 750 | 1,125 | 75 | 1,490 | 10 | 100 | 1,250 |
| 1982 | 690 | 638 | 740 | 53 | 1,081 | 15 | 125 | 900 |
| 1981 | 830 | 662 | 563 | 64 | 1,291 | 18 | 120 | 690 |
| 1980 | 1,040 | 773 | 646 | 63 | 1,523 | 19 | 150 | 830 |

[1] Includes custom slaughter and state outshipments, but excludes interfarm sales within Michigan.
[2] Excludes custom slaughter for farmers at commercial establishments.

## Hogs and Pigs Production and Income

| YEAR | Pro-duction[1] | Market-ings[2] | Average Price per Cwt. | Value of Production | Cash Receipts[3] | Value of Home Con-sumption | Gross Income |
|---|---|---|---|---|---|---|---|
| | *1,000 Pounds* | | *Dollars* | | *1,000 Dollars* | | |
| **1984** | **444,608** | **432,840** | **46.80** | **207,746** | **203,601** | **2,808** | **206,409** |
| 1983 | 386,003 | 345,510 | 47.00 | 181,077 | 163,245 | 2,820 | 166,065 |
| 1982 | 287,905 | 250,757 | 52.50 | 150,753 | 132,554 | 3,780 | 136,334 |
| 1981 | 288,235 | 293,625 | 43.70 | 125,441 | 129,020 | 5,664 | 134,684 |
| 1980 | 331,304 | 347,775 | 38.80 | 128,138 | 135,678 | 5,308 | 140,986 |

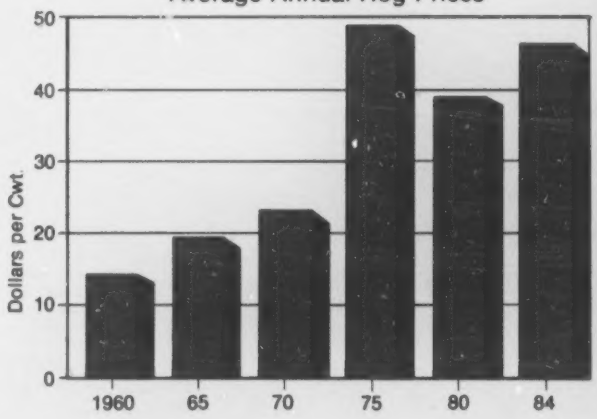
[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

## Commercial Hog Slaughter

| YEAR AND MONTH | Head | Liveweight | |
|---|---|---|---|
| | | Per Head | Total |
| | *1,000* | *Pounds* | *1,000 Lbs.* |
| **1984 January** | **427.0** | **241** | **102,748** |
| **February** | **430.0** | **240** | **103,396** |
| **March** | **495.7** | **240** | **119,031** |
| **April** | **436.9** | **241** | **105,195** |
| **May** | **478.0** | **239** | **114,379** |
| **June** | **422.7** | **241** | **101,810** |
| **July** | **357.6** | **243** | **86,836** |
| **August** | **419.7** | **241** | **101,190** |
| **September** | **432.0** | **241** | **104,101** |
| **October** | **513.5** | **238** | **122,398** |
| **November** | **471.9** | **242** | **114,110** |
| **December** | **438.5** | **241** | **105,617** |
| **1984[1]** | **5,323** | **241** | **1,280,809** |
| 1983 | 5,285 | 241 | 1,274,962 |
| 1982 | 5,219 | 242 | 1,260,560 |
| 1981 | 5,521 | 239 | 1,321,221 |
| 1980 | 4,678 | 241 | 1,125,724 |

[1] Quarters may not add exactly to annual totals because of rounding.

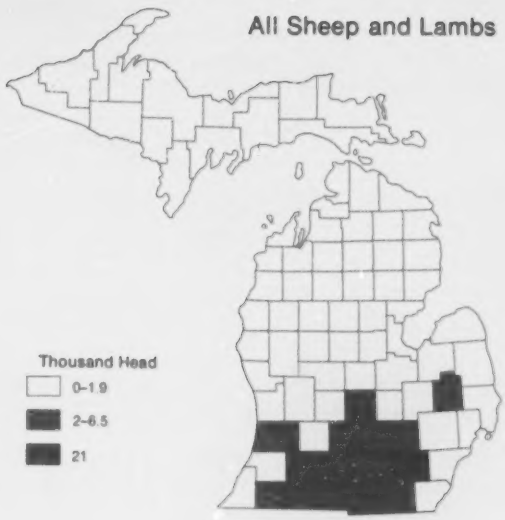
Average Annual Hog Prices



# Sheep and Lambs

The number of sheep in Michigan held steady during 1984. The January 1, 1985 inventory was 110,000, equal to the inventories of the previous two years. The 1984 lamb crop was 100,000, up 10,000 head from 1983. Most of the sheep in the State are in South Central and Southeast Michigan. Washtenaw County ranks first in the number of sheep.

About 8.8 million lbs. (liveweight) of sheep and lambs were marketed in 1984, up 13 percent from 1983. The average price for slaughter lambs increased $6.00 to $59.00 per cwt. The increased marketings along with higher prices pushed cash receipts up 35 percent. Wool production was at a record low in 1984 as fewer sheep were shorn. Higher wool prices offset lower production and boosted the value of production 23 percent. Commercial sheep and lamb slaughter increased for the third consecutive year during 1984. Michigan placed 7th nationally in total sheep slaughter.




## Number on Farms by Class, January 1

| CLASS | 1985 | 1984 | 1983 | 1982 | 1981 |
|---|---|---|---|---|---|
| STOCK SHEEP: | | | *1,000 Head* | | |
| Ewe Lambs | 12 | 13 | 13 | 16 | 15 |
| Ram and Wether Lambs | 3 | 4 | 3 | 4 | 4 |
| Ewes, 1 year plus | 73 | 72 | 76 | 78 | 80 |
| Rams and Wethers, 1 year plus | 4 | 3 | 3 | 3 | 3 |
| Sheep and Lambs on Feed | 18 | 18 | 15 | 24 | 22 |
| All Sheep and Lambs | 110 | 110 | 110 | 125 | 124 |

## Balance Sheet

| YEAR | On Hand January 1, All Sheep and Lambs | Lamb Crop | Inshipments | Marketings[1] | | Farm Slaughter[2] | Deaths | | On Hand Following January 1, All Sheep and Lambs |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Sheep | Lambs | | Sheep | Lambs | |
| | *1,000 Head* | | | | | | | | |
| **1984** | **110** | **100** | **0** | **10** | **71** | **2** | **5** | **12** | **110** |
| 1983 | 110 | 90 | 0 | 15 | 59 | 1 | 5 | 10 | 110 |
| 1982 | 125 | 90 | 2 | 16 | 70 | 2 | 6 | 13 | 110 |
| 1981 | 124 | 95 | 1 | 15 | 61 | 2 | 6 | 11 | 125 |
| 1980 | 132 | 100 | 3 | 18 | 77 | 1 | 5 | 10 | 124 |

[1] Includes custom slaughter and state outshipments, but excludes interfarm sales within Michigan.
[2] Excludes custom slaughter for farmers at commercial establishments.

## Sheep and Lambs Production and Income

| YEAR | Production[1] | Marketings[2] | Average Price Per Cwt. | | Value of Production | Cash Receipts[3] | Value of Home Consumption | Gross Income |
|---|---|---|---|---|---|---|---|---|
| | | | Sheep | Lambs | | | | |
| | *1,000 Pounds* | | *Dollars* | | | *1,000 Dollars* | | |
| **1984** | **9,369** | **8,812** | **14.00** | **59.00** | **4,772** | **4,587** | **255** | **4,842** |
| 1983 | 8,045 | 7,830 | 14.00 | 53.00 | 3,722 | 3,389 | 223 | 3,612 |
| 1982 | 7,580 | 8,686 | 18.50 | 54.50 | 3,516 | 4,017 | 269 | 4,286 |
| 1981 | 8,060 | 7,803 | 19.80 | 51.90 | 3,678 | 3,454 | 178 | 3,632 |
| 1980 | 8,955 | 9,849 | 27.90 | 63.20 | 5,058 | 5,439 | 108 | 5,547 |

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
[3] Receipts from marketings and sale of farm slaughter.

## Lamb Crop

| YEAR | Breeding Ewes 1 Yr. + January 1 | Lamb Crop per 100 Ewes 1 Year + | Lamb Crop |
|---|---|---|---|
| | *1,000 Head* | *Head* | *1,000 Head* |
| **1984** | **72** | **139** | **100** |
| 1983 | 76 | 118 | 90 |
| 1982 | 78 | 115 | 90 |
| 1981 | 80 | 119 | 95 |
| 1980 | 82 | 122 | 100 |

## Commercial Slaughter

| YEAR AND MONTH | Sheep and Lambs Head | Liveweight | |
|---|---|---|---|
| | | Per Head | Total |
| | *1,000* | *Pounds* | *1,000 Lbs.* |
| **1984 January** | **27.9** | **113** | **3,150** |
| **February** | **27.0** | **115** | **3,096** |
| **March** | **27.7** | **115** | **3,193** |
| **April** | **30.0** | **112** | **3,352** |
| **May** | **27.5** | **111** | **3,060** |
| **June** | **26.4** | **110** | **2,916** |
| **July** | **28.7** | **111** | **3,174** |
| **August** | **32.5** | **111** | **3,619** |
| **September** | **27.7** | **113** | **3,122** |
| **October** | **30.7** | **112** | **3,448** |
| **November** | **28.3** | **112** | **3,163** |
| **December** | **27.3** | **112** | **3,053** |
| **1984[1]** | **342** | **112** | **38,347** |
| 1983 | 333 | 112 | 37,180 |
| 1982 | 315 | 109 | 34,395 |
| 1981 | 290 | 109 | 31,574 |
| 1980 | 297 | 109 | 32,291 |

[1] Months may not add exactly to annual totals because of rounding.

## Wool Production and Value

| YEAR | Number Sheep Shorn | Weight per Fleece | Production | Price per Pound | Value of Production |
|---|---|---|---|---|---|
| | *1,000 Head* | *Pounds* | *1,000 Pounds* | *Cents* | *1,000 Dollars* |
| **1984** | **106** | **7.8** | **823** | **54** | **444** |
| 1983 | 117 | 7.7 | 902 | 40 | 361 |
| 1982 | 111 | 7.8 | 865 | 44 | 381 |
| 1981 | 125 | 7.6 | 945 | 70 | 662 |
| 1980 | 122 | 7.8 | 950 | 74 | 703 |

# Poultry

There were 9 million egg-type chickens in Michigan on December 1, 1984. This was up 16 percent from the previous year's inventory. Egg production for the year ending November 30, 1984, was 1.52 billion. Cash receipts from eggs were $75.4 million, 18 percent larger than the previous year. Michigan egg producers earned an additional $1.8 million from the sale of culled layers during 1984. Michigan's egg industry is concentrated in the Thumb and western part of the Lower Peninsula. Michigan placed 15th nationally in egg production.

Turkey growers in Michigan raised 2.1 million birds during 1984, up 11 percent from the previous year. Market prices averaged a record 53 cents per pound. Increased demand for turkey and processed products and reduced cold storage stocks of frozen turkey led to the higher prices. Cash receipts from turkey production increased to nearly $28 million. Broiler production held steady during 1984, but average market prices rose boosting cash receipts to $1.6 million. Turkey and broiler production is concentrated in the western Lower Peninsula.

## Number on Farms by Class, December 1

| CLASS | 1984 | 1983 | 1982 | 1981 | 1980 |
|---|---|---|---|---|---|
| | | | *1,000 Birds* | | |
| **CHICKENS:** | | | | | |
| Pullets of laying age | **4,050** | 3,670 | 3,730 | 3,800 | 3,860 |
| Hens | **2,650** | 2,530 | 2,570 | 2,500 | 2,540 |
| Pullets, 3 months plus | **1,300** | 725 | 850 | 820 | 950 |
| Pullets, less than 3 months | **950** | 775 | 900 | 940 | 800 |
| Other Chickens | **50** | 50 | 50 | 40 | 50 |
| All Chickens (excluding broilers) | **9,000** | 7,750 | 8,100 | 8,100 | 8,200 |
| | | | *1,000 Birds* | | |
| **TURKEYS:** | | | | | |
| Breeder Hens | **38** | 38 | 45 | 50 | 52 |

## Chickens: Average Number of Layers

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | | *1,000 Birds* | |
| December | **6,100** | 6,250 | |
| January | **6,200** | 6,150 | 6,250 |
| February | **6,200** | 6,000 | |
| March | **6,150** | 5,850 | |
| April | **6,050** | 5,800 | 6,200 |
| May | **6,000** | 5,800 | |
| June | **6,050** | 5,850 | |
| July | **6,000** | 5,900 | 6,050 |
| August | **6,000** | 5,950 | |
| September | **6,200** | 6,000 | |
| October | **6,400** | 6,000 | 6,100 |
| November | **6,600** | 6,100 | |
| Annual Average[2] | **6,162** | 5,971 | 6,150 |

[1] Quarterly Estimates. Annual average for 1982 is the sum of the quarters divided by 4.
[2] December 1 previous year to November 30.

## Egg Production

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | | *Million* | |
| December | **129** | 132 | |
| January | **132** | 132 | 379 |
| February | **123** | 119 | |
| March | **131** | 127 | |
| April | **122** | 118 | 395 |
| May | **123** | 121 | |
| June | **122** | 121 | |
| July | **126** | 125 | 381 |
| August | **125** | 121 | |
| September | **122** | 118 | |
| October | **131** | 125 | 377 |
| November | **133** | 125 | |
| Total[2] | **1,519** | 1,484 | 1,532 |

[1] Quarterly Estimates.
[2] December 1 previous year to November 30.

## Chicken and Broiler Production and Income

| YEAR | Chickens (excluding broilers) | | | | Broilers | | | |
|---|---|---|---|---|---|---|---|---|
| | Number Raised | Pounds Produced | Price per Pound | Gross Income[1] | Number Raised | Pounds Produced | Price per Pound | Gross Income[1] |
| | *1,000 Birds* | *1,000 Pounds* | *Cents* | *1,000 Dollars* | *1,000 Birds* | *1,000 Pounds* | *Cents* | *1,000 Dollars* |
| **1984** | **5,500** | **21,202** | **11.5** | **1,850** | **1,130** | **4,746** | **33.0** | **1,566** |
| 1983 | 5,100 | 20,147 | 10.5 | 2,297 | 1,130 | 4,633 | 30.0 | 1,390 |
| 1982 | 5,100 | 20,526 | 8.5 | 1,739 | 1,180 | 4,720 | 27.0 | 1,274 |
| 1981 | 5,650 | 22,787 | 8.5 | 1,993 | 1,130 | 4,520 | 32.0 | 1,446 |
| 1980 | 5,250 | 21,333 | 9.0 | 1,833 | 1,552 | 6,053 | 31.0 | 1,876 |

[1] Includes value of home consumption.

## Turkey Production and Income

| YEAR | Breeder Hens[1] | | | Market Turkeys | | | |
|---|---|---|---|---|---|---|---|
| | Number On Farms December 1 | Farm Value | | Number Raised[2] | Pounds Produced[3] | Price per Pound[4] | Gross Income |
| | | Per Bird | Total | | | | |
| | *1,000 Birds* | *Dollars* | *1,000 Dollars* | *1,000 Birds* | *1,000 Pounds* | *Cents* | *1,000 Dollars* |
| **1984** | **38** | **17.00** | **646** | **2,100** | **52,500** | **53.0** | **27,825** |
| 1983 | 38 | 15.00 | 570 | 1,900 | 47,500 | 42.0 | 19,950 |
| 1982 | 45 | 14.00 | 630 | 1,800 | 46,800 | 41.0 | 19,188 |
| 1981 | 50 | 12.00 | 600 | 1,600 | 41,600 | 41.0 | 17,056 |
| 1980 | 52 | 18.00 | 936 | 1,450 | 37,700 | 44.0 | 16,588 |

[1] Estimates discontinued, effective December 31, 1984.
[2] Based on turkeys hatched September previous year through August, including inshipments. Excludes death loss.
[3] Includes home consumption.
[4] Liveweight equivalent price.

# Mink

Mink pelt production in Michigan increased 23,000 in 1984 to 167,500 pelts. This propelled Michigan to the 8th leading mink producing State in the Nation. The State produces about 4 percent of the Nation's mink pelts. Over half of Michigan's mink are raised in the Upper Peninsula. The area's cooler temperatures are ideally suited for mink. Numerous color classes are produced in the State, with Standard the most predominant. Ranch Wild, Pastel, Pearl and Violet type color classes are also very popular. These 5 color classes comprise 85 percent of the State's pelt production. Michigan's pelt output should hold steady as about the same number of females were bred to produce "kits" in 1985.

## Pelt Production and Farms

| ITEM | 1984 | 1983 | 1982 | 1981[1] | 1980 |
|---|---|---|---|---|---|
| Pelt Production by Color Class: | *1,000 Pelts* | | | | |
| Standard | **56.8** | 48.4 | 52.3 | — | 55.2 |
| Ranch Wild | **31.9** | 25.9 | 19.3 | — | 16.8 |
| Demi-Buff | **10.1** | 12.2 | 17.8 | — | 12.2 |
| Pastel | **14.4** | 16.5 | 22.8 | — | 18.1 |
| Violet | **23.5** | 16.5 | 9.5 | — | 9.2 |
| Pearl | **16.6** | 13.2 | 11.5 | — | 7.8 |
| White | **10.8** | 9.4 | 9.1 | — | 8.4 |
| Other | **3.4** | 2.4 | 1.7 | — | 1.3 |
| Total | **167.5** | 144.5 | 144.0 | — | 129.0 |
| | *1,000 Females* | | | | |
| Females Bred to Produce Kits in Next Year | **42.4** | 42.7 | 40.7 | — | 39.1 |
| Mink Farms Producing Pelts | **56** | 54 | 50 | — | 48 |

[1] Data not available for 1981, no survey conducted.

# DAIRY

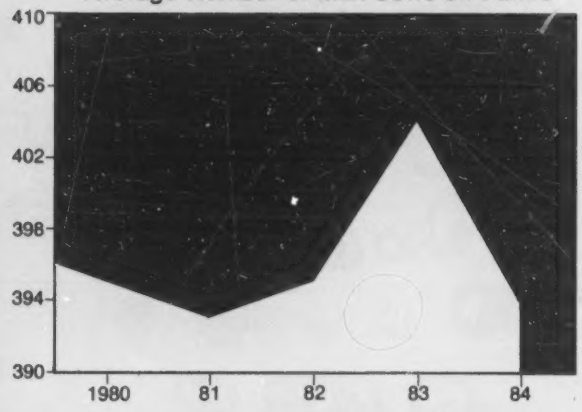
## General Information

Dairy farming accounts for more cash receipts than any other single agricultural enterprise in Michigan. Cash receipts from the 1984 marketings of milk and cream, at $710 million, were down 4 percent from a year earlier. Reduced milk marketings and lower milk prices resulted in the first drop in dairy cash receipts in recent history. Milk marketings were reduced due to the dairy diversion program. Other factors contributing to lower milk marketings were reductions in the milk support price and high dairy feed costs during the first half of 1984. Despite the lower receipts, Michigan still placed 6th nationally in dairy cash receipts.

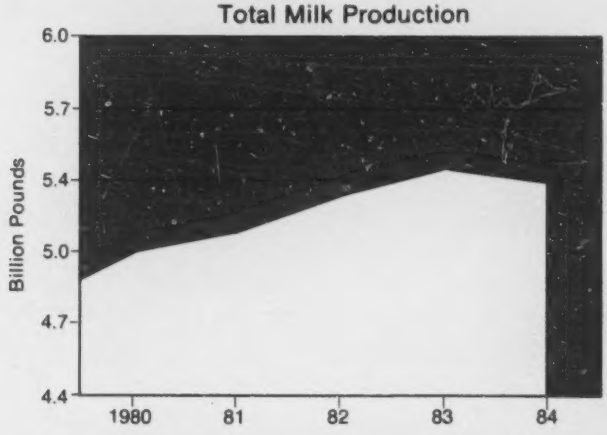
Michigan milk production in 1984, at nearly 5.4 billion pounds, was down 3 percent from 1983. Production was only 7 percent below the record high of 5.75 billion pounds set in 1964. There were 610,000 milk cows on Michigan farms during 1964. The 1984 milk output was produced by only 394,000 cows. Milk per cow has increased 44 percent since 1964. Among the top milk producing states, Michigan trailed only California in milk per cow. The number of farm operations with milk cows remained at 9,000 during 1984. Approximately 7,500 of these operations could be defined as "commercial dairy farms." There were about 6,500 Grade A dairy farms and about 1,000 Grade B farms operating in Michigan. The "top 10" milk producing counties in 1984, in order of descending production were: Sanilac, Huron, Clinton, Allegan, Ottawa, Kent, Ionia, Missaukee, Lapeer, and Isabella. Sanilac, the leading dairy county, accounted for 8.5 percent of the milk produced in the state.

Annual average milk prices declined during 1984. The prices received for milk reported in this bulletin reflect the total value of milk as delivered to the dairy plant or receiving station before deductions are made for items such as hauling costs and dairy program assessments. These deductions are counted as part of dairy farm production costs. Net returns to Michigan dairy farms were down during 1984 due to changes in the USDA milk price support program. While the national support price remained at $12.60 per hundredweight during 1984, a 50 cent per cwt. deduction was taken from all milk marketed to finance the milk diversion program. This program paid producers who contracted with USDA to reduce their milk marketings below established base levels. This 50 cent deduction ended March 31, 1985 when the diversion program expired. On April 1, 1985, the milk support price was lowered from $12.60 to $12.10 per cwt.

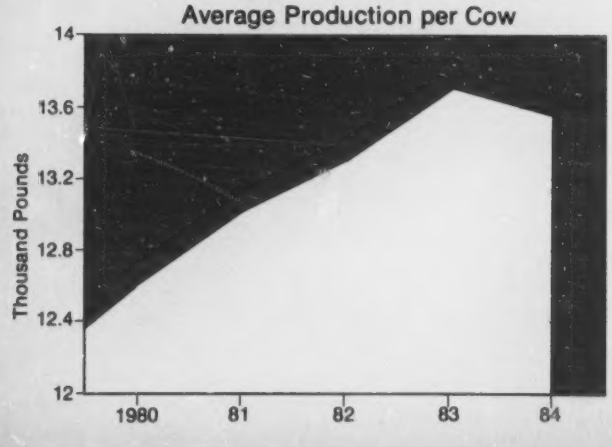
Average Number of Milk Cows on Farms



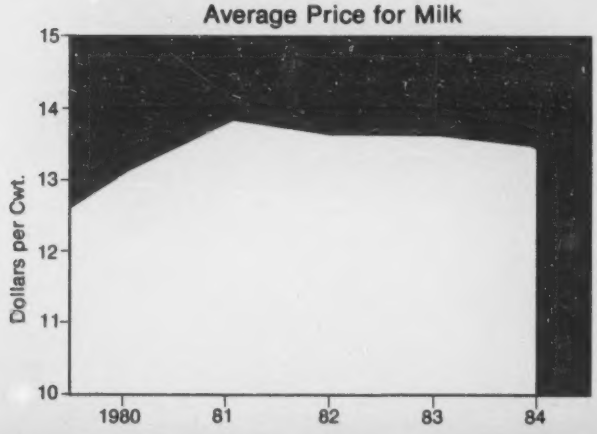

Total Milk Production




Average Production per Cow




Average Price for Milk



# Cows and Milk Production

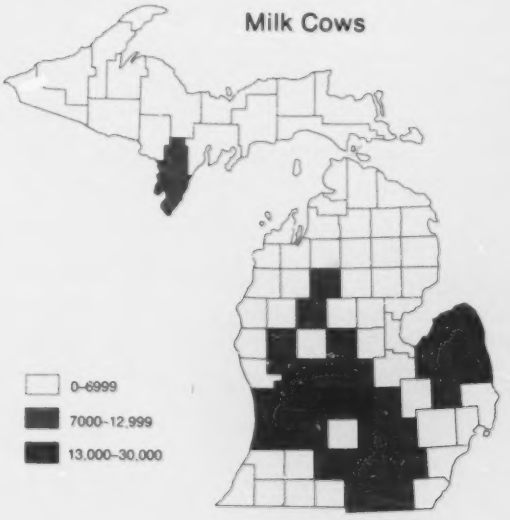
Dairy herds in Michigan produced over 5.3 billion pounds of milk during 1984, down 3 percent from the previous year. This was the first year to year decline in milk production since 1974. Reduced cow numbers and lower output per cow resulted in the drop in milk production. Cow numbers averaged 394,000 head during 1984, down 2 percent from a year earlier. Milk per cow averaged 13,579 pounds, down 1 percent from the record average set in 1983. Michigan placed 7th nationally in average milk per cow.

Whole milk sold to plants and dealers exceeded 5.2 billion pounds in 1984, a drop of 3 percent from a year earlier. Of the total milk sales, 97 percent was classified as milk eligible for fluid-grade use (grade A milk), with the remainder marketed as manufacturing grade milk. Much of the fluid-grade milk is used in manufacturing dairy products. Cash receipts from the marketings of milk and cream in 1984, nearly $710 million, were down 4 percent from a year earlier. Milk receipts accounted for one-fourth of Michigan's total farm cash receipts in 1984. The value of milk sold to plants and dealers averaged $13.50 per hundredweight, the lowest price since 1980. Cash receipts from milk sold directly to consumers at the farm fell below $3.5 million in 1984. The amount of milk used on the farm as feed for calves or other livestock increased by 13 percent, largely as a result of the diversion program.

## Milk Cows on Farms

| MONTH | 1984 | 1983 | 1982[1] | 1981 | 1980 |
|---|---|---|---|---|---|
| | | | *1,000 Head* | | |
| January | **400** | 400 | 395 | 390 | 400 |
| February | **400** | 401 | 393 | 391 | 397 |
| March | **397** | 403 | 392 | 391 | 397 |
| April | **397** | 402 | | 391 | 395 |
| May | **394** | 404 | 393 | 391 | 396 |
| June | **392** | 404 | | 392 | 398 |
| July | **392** | 406 | | 393 | 395 |
| August | **392** | 405 | 397 | 394 | 394 |
| September | **392** | 408 | | 395 | 394 |
| October | **392** | 408 | | 396 | 392 |
| November | **391** | 407 | 397 | 396 | 390 |
| December | **390** | 404 | | 396 | 390 |
| Average | **394** | 404 | 395 | 393 | 395 |

[1] Quarterly estimates April-December, 1982.




## Milk Production per Cow

| MONTH | 1984 | 1983 | 1982[1] | 1981 | 1980 |
|---|---|---|---|---|---|
| | | | *Pounds* | | |
| January | **1,135** | 1,125 | 1,095 | 1,070 | 1,025 |
| February | **1,085** | 1,030 | 1,000 | 975 | 980 |
| March | **1,170** | 1,150 | 1,120 | 1,095 | 1,060 |
| April | **1,140** | 1,130 | | 1,090 | 1,050 |
| May | **1,175** | 1,180 | 3,370 | 1,130 | 1,095 |
| June | **1,145** | 1,165 | | 1,105 | 1,065 |
| July | **1,170** | 1,185 | | 1,110 | 1,080 |
| August | **1,150** | 1,175 | 3,400 | 1,120 | 1,070 |
| September | **1,110** | 1,140 | | 1,085 | 1,045 |
| October | **1,115** | 1,150 | | 1,085 | 1,050 |
| November | **1,065** | 1,100 | 3,310 | 1,040 | 1,010 |
| December | **1,115** | 1,140 | | 1,080 | 1,050 |
| Annual | **13,579** | 13,683 | 13,299 | 12,985 | 12,582 |

[1] Quarterly estimates April-December, 1982.

## Total Milk Production

| MONTH | 1984 | 1983 | 1982[1] | 1981 | 1980 |
|---|---|---|---|---|---|
| | | | *Million Pounds* | | |
| January | **454** | 450 | 433 | 417 | 410 |
| February | **434** | 413 | 393 | 381 | 389 |
| March | **464** | 463 | 439 | 428 | 421 |
| April | **453** | 454 | | 426 | 415 |
| May | **463** | 477 | 1,324 | 442 | 434 |
| June | **449** | 471 | | 433 | 424 |
| July | **459** | 481 | | 436 | 427 |
| August | **451** | 476 | 1,350 | 441 | 422 |
| September | **435** | 465 | | 429 | 412 |
| October | **437** | 469 | | 430 | 412 |
| November | **416** | 448 | 1,314 | 412 | 394 |
| December | **435** | 461 | | 428 | 410 |
| Annual | **5,350** | 5,528 | 5,253 | 5,103 | 4,970 |

[1] Quarterly estimates April-December, 1982.

## Farms, Milk Production, Utilization, Marketing and Value

| PRODUCTION AND USE | Unit | 1984 | 1983 | 1982 | 1981 | 1980 |
|---|---|---|---|---|---|---|
| **FARMS** | | | | | | |
| Number of operations with milk cows[1] | Number | **9,000** | 9,000 | 9,000 | 9,500 | 9,500 |
| **PRODUCTION AND UTILIZATION** | | | | | | |
| Production of Milk | | | | | | |
| Total milk produced on farms | Mil. Lbs. | **5,350** | 5,528 | 5,253 | 5,103 | 4,970 |
| Milkfat produced | Mil. Lbs. | **197** | 202 | 191 | 186 | 182 |
| Percentage of milkfat | Percent | **3.68** | 3.66 | 3.64 | 3.64 | 3.67 |
| Utilization | | | | | | |
| Milk Marketed by Producers | | | | | | |
| Sold to plants and dealers as whole milk[2] | Mil. Lbs. | **5,230** | 5,410 | 5,145 | 4,995 | 4,870 |
| Sold directly to consumers | Mil. Lbs. | **15** | 18 | 18 | 20 | 20 |
| Milk used where produced | | | | | | |
| Fed to calves | Mil. Lbs. | **85** | 75 | 65 | 63 | 55 |
| Used by farm household | Mil. Lbs. | **20** | 25 | 25 | 25 | 25 |
| **MARKETINGS** | | | | | | |
| Milk Marketed by Producers | | | | | | |
| Sold to plants and dealers | | | | | | |
| Whole milk sold[2] | Mil. Lbs. | **5,230** | 5,410 | 5,145 | 4,995 | 4,870 |
| Percent fluid grade | Percent | **97** | 97 | 97 | 96 | 95 |
| Price per 100 pounds | Dollars | **13.50** | 13.60 | 13.60 | 13.80 | 13.20 |
| Cash receipts | 1,000 Dol. | **706,050** | 735,760 | 699,720 | 689,310 | 642,840 |
| Sold Directly to Consumers | | | | | | |
| Quantity | 1,000 Qts. | **6,977** | 8,372 | 8,372 | 9,302 | 9,302 |
| Price per quart | Dollars | **.50** | .50 | .50 | .50 | .50 |
| Cash receipts | 1,000 Dol. | **3,488** | 4,186 | 4,186 | 4,651 | 4,651 |
| Total Marketings | | | | | | |
| Milk utilized | Mil. Lbs. | **5,245** | 5,428 | 5,163 | 5,015 | 4,890 |
| Price per 100 pounds of milk | Dollars | **13.53** | 13.63 | 13.63 | 13.84 | 13.24 |
| Price per pound milkfat | Dollars | **3.68** | 3.72 | 3.75 | 3.80 | 3.61 |
| Total cash receipts | 1,000 Dol. | **709,538** | 739,946 | 703,906 | 693,961 | 647,491 |
| **VALUE** | | | | | | |
| Value of milk used where produced[3] | 1,000 Dol. | **14,205** | 13,632 | 12,270 | 12,177 | 10,593 |
| TOTAL VALUE OF MILK PRODUCED | 1,000 Dol. | **723,743** | 753,578 | 716,176 | 706,138 | 658,084 |

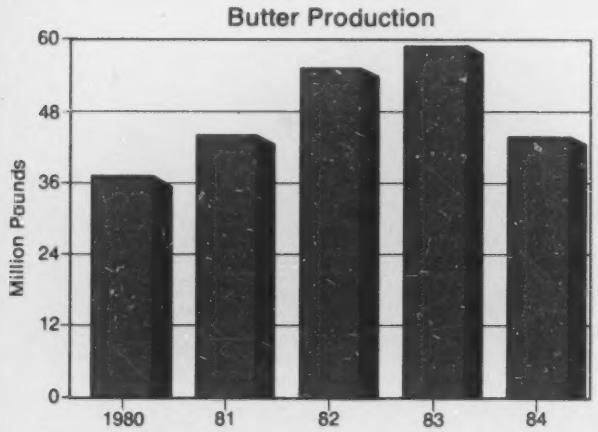
[1] Any place having one or more milk cows on hand at any time during the year.
[2] Includes the equivalent amounts of milk for cream sold to plants and dealers.
[3] Includes value of milk fed to calves and milk used by farm household.

# Dairy Products

A large portion of the milk produced by Michigan dairy herds is marketed in the form of manufactured dairy products. Michigan ranks high nationally in the production of butter, cottage cheese, dry buttermilk, ice cream, ice milk, milk sherbet, non-fat dry milk, and condensed skim milk. The 60 dairy product manufacturing plants in Michigan remain a vital marketing channel for the State's dairy farmers. Three new American type cheese manufacturing plants started production in Michigan during 1984. Michigan placed 8th nationally in the number of plants manufacturing one or more dairy products.

Butter production declined sharply during 1984 following 5 years of consecutive increases. Production totaled 43.6 million pounds, down 26 percent from 1983. This was the lowest butter output in Michigan since 1980. Reduced milk production and shifts in milk utilization caused by the paid dairy diversion program led to the lower butter output. Production of non-fat dry milk for human food, at nearly 103 million pounds, was down 3 percent. Michigan placed 3rd nationally in non-fat dry milk production and captured 4th place in dry buttermilk output. Creamed cottage cheese production showed a large decline in 1984, but lowfat cottage cheese output was more than double the 1983 total. Michigan placed 8th nationally in creamed cottage cheese production.

Total hard cheese exceeded 40 million pounds during 1984, a 7 percent gain from the previous year. American cheese production fell to its lowest level since 1975. Italian cheese production (primarily mozzarella) increased 51 percent during 1984, easily offsetting the drop in American cheese output. A total of 34 plants produced ice cream in Michigan during 1984, as the State placed 10th nationally in production. Production exceeded 31 million gallons, a decline of 8 percent from a year earlier. Production of ice milk and milk sherbet showed little change from 1983 levels.




## Butter Production

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | | *1,000 Pounds* | |
| January | **5,596** | 5,750 | 4,581 |
| February | **5,215** | 5,458 | 4,479 |
| March | **5,163** | 5,955 | 5,288 |
| April | **4,917** | 5,526 | |
| May | **4,348** | 5,729 | 15,407 |
| June | **2,847** | 4,801 | |
| July | **2,069** | 3,346 | |
| August | **2,057** | 2,983 | 10,615 |
| September | **2,319** | 3,508 | |
| October | **3,657** | 4,965 | |
| November | **2,447** | 4,907 | 14,684 |
| December | **2,933** | 5,577 | |
| Annual | **43,568** | 58,505 | 55,054 |

[1] Quarterly estimates April-December 1982.

## Ice Cream Production

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | | *1,000 Gallons* | |
| January | **2,039** | 2,161 | 2,041 |
| February | **2,070** | 2,289 | 2,215 |
| March | **2,308** | 3,016 | 2,845 |
| April | **2,416** | 2,517 | |
| May | **2,715** | 3,033 | 9,491 |
| June | **3,341** | 3,616 | |
| July | **3,563** | 3,654 | |
| August | **3,446** | 3,748 | 9,782 |
| September | **2,738** | 3,302 | |
| October | **2,522** | 2,415 | |
| November | **2,172** | 2,295 | 7,101 |
| December | **2,068** | 2,229 | |
| Annual | **31,398** | 34,275 | 33,475 |

[1] Quarterly estimates April-December 1982.

## Ice Milk Production

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | | *1,000 Gallons* | |
| January | **535** | 459 | 443 |
| February | **559** | 550 | 536 |
| March | **688** | 737 | 821 |
| April | **798** | 799 | |
| May | **1,108** | 1,073 | 3,608 |
| June | **1,328** | 1,303 | |
| July | **1,328** | 1,296 | |
| August | **1,315** | 1,217 | 3,661 |
| September | **739** | 858 | |
| October | **623** | 623 | |
| November | **544** | 592 | 1,702 |
| December | **441** | 457 | |
| Annual | **10,006** | 9,964 | 10,771 |

[1] Quarterly estimates April-December 1982.

## Nonfat Dry Milk[1]

| MONTH | 1984 | 1983 | 1982[2] |
|---|---|---|---|
| | *1,000 Pounds* | | |
| January | **8,868** | 8,899 | 7,176 |
| February | **8,218** | 8,730 | 7,158 |
| March | **8,818** | 9,432 | 8,587 |
| April | **8,701** | 8,863 | |
| May | **9,150** | 9,527 | 25,113 |
| June | **9,112** | 9,337 | |
| July | **10,018** | 8,696 | |
| August | **8,481** | 8,812 | 24,754 |
| September | **8,392** | 8,094 | |
| October | **8,017** | 8,604 | |
| November | **7,183** | 8,488 | 24,278 |
| December | **7,851** | 8,947 | |
| Annual | **102,809** | 106,429 | 97,066 |

[1] Used for human food.
[2] Quarterly estimates April-December 1982.

## Milk Sherbet Production

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | *1,000 Gallons* | | |
| January | **78** | 84 | 81 |
| February | **87** | 97 | 101 |
| March | **100** | 131 | 141 |
| April | **120** | 114 | |
| May | **140** | 137 | 579 |
| June | **175** | 174 | |
| July | **142** | 166 | |
| August | **167** | 151 | 505 |
| September | **121** | 118 | |
| October | **109** | 95 | |
| November | **83** | 99 | 320 |
| December | **103** | 108 | |
| Annual | **1,425** | 1,474 | 1,727 |

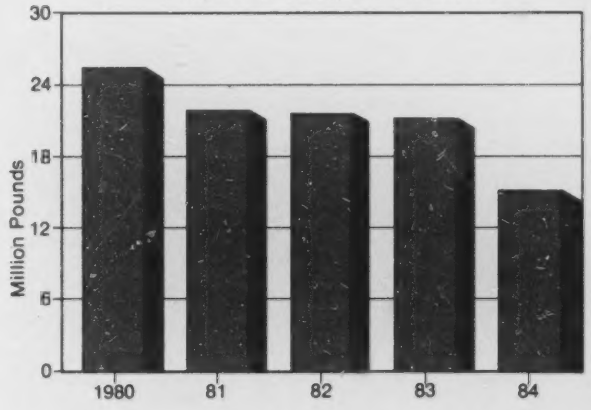
[1] Quarterly estimates April-December 1982.

## Creamed Cottage Cheese Production

| MONTH | 1984 | 1983 | 1982[1] |
|---|---|---|---|
| | *1,000 Pounds* | | |
| January | **2,883** | 3,313 | 3,190 |
| February | **2,843** | 3,184 | 3,094 |
| March | **2,209** | 3,854 | 3,449 |
| April | **1,907** | 3,573 | |
| May | **2,146** | 3,599 | 10,138 |
| June | **2,247** | 3,698 | |
| July | **2,263** | 3,463 | |
| August | **3,103** | 3,355 | 10,431 |
| September | **2,596** | 3,331 | |
| October | **2,902** | 2,957 | |
| November | **2,923** | 2,988 | 9,822 |
| December | **2,790** | 2,799 | |
| Annual | **30,812** | 40,114 | 40,124 |

[1] Quarterly estimates April-December 1982.

## American Cheese Production




## Total Cheese Production[1]

| MONTH | 1984 | 1983 | 1982[2] |
|---|---|---|---|
| | *1,000 Pounds* | | |
| January | **2,956** | 2,925 | 2,703 |
| February | **2,794** | 2,733 | 2,508 |
| March | **3,041** | 3,071 | 2,975 |
| April | **3,129** | 2,859 | |
| May | **3,555** | 3,129 | 9,395 |
| June | **3,663** | 3,365 | |
| July | **3,369** | 3,332 | |
| August | **3,363** | 3,695 | 9,528 |
| September | **3,280** | 3,274 | |
| October | **3,644** | 3,352 | |
| November | **3,561** | 2,954 | 8,665 |
| December | **3,967** | 3,147 | |
| Annual | **40,322** | 37,836 | 35,774 |

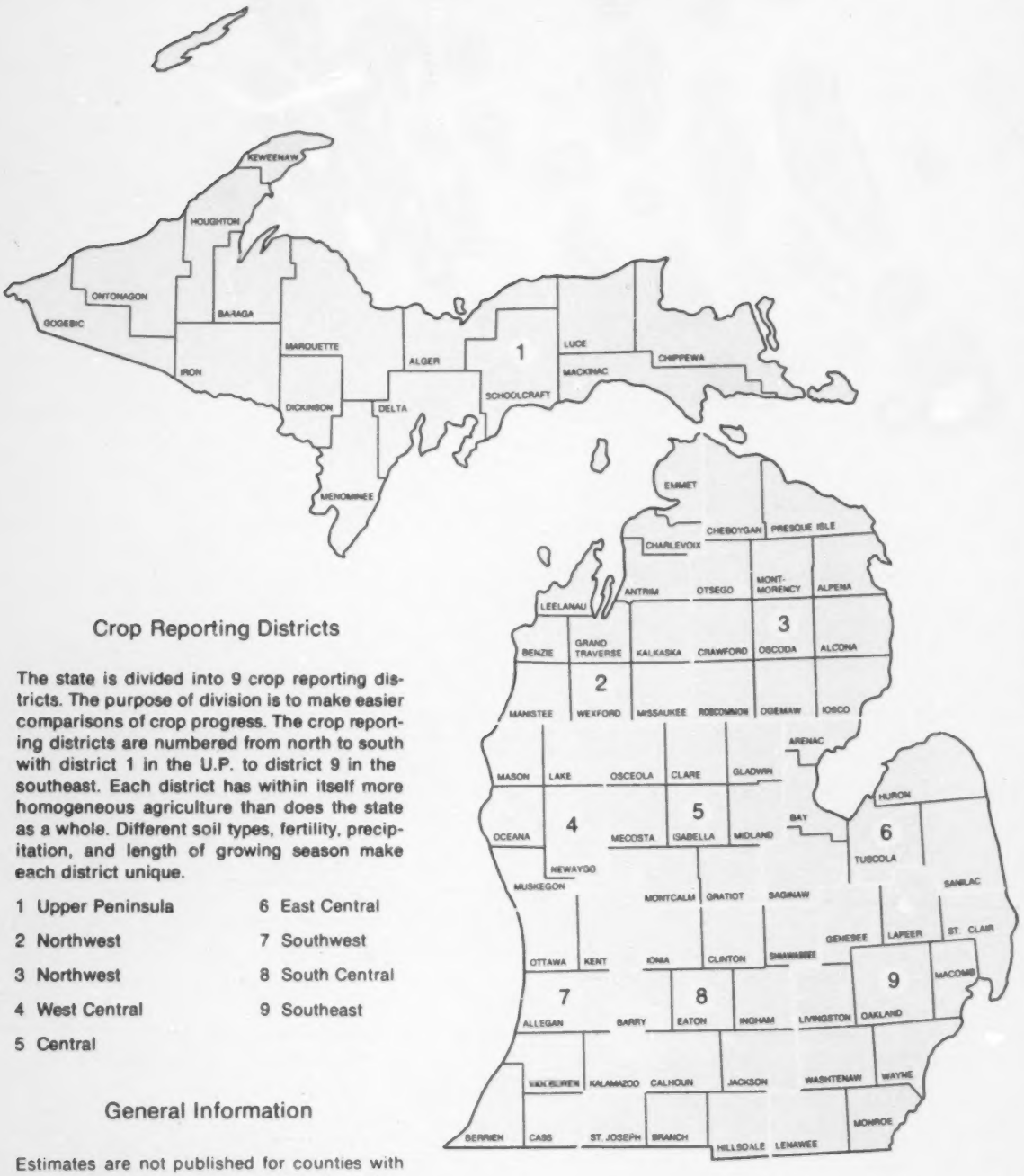
[1] Includes American Cheeses, Brick, Mozzarella and other Italian Cheeses, Cream Cheese, Feta, Havarti and Farmers Cheese. Excludes Cottage Cheeses.
[2] Quarterly estimates April-December 1982.

## American Cheese Production[1]

| MONTH | 1984 | 1983 | 1982[2] |
|---|---|---|---|
| | *1,000 Pounds* | | |
| January | **1,353** | 1,713 | 1,772 |
| February | **1,095** | 1,457 | 1,547 |
| March | **1,078** | 1,658 | 1,762 |
| April | **1,221** | 1,609 | |
| May | **1,272** | 1,686 | 5,717 |
| June | **1,313** | 1,896 | |
| July | **1,484** | 1,895 | |
| August | **1,181** | 1,870 | 5,798 |
| September | **1,131** | 1,828 | |
| October | **1,186** | 1,924 | |
| November | **1,420** | 1,712 | 5,012 |
| December | **1,789** | 1,989 | |
| Annual | **15,523** | 21,237 | 21,608 |

[1] Includes Cheddar, Colby, Washed or Stirred Curd, Monterey and Jack.
[2] Quarterly estimates April-December 1982.

# County Estimates




## Crop Reporting Districts

**The state is divided into 9 crop reporting districts. The purpose of division is to make easier comparisons of crop progress. The crop reporting districts are numbered from north to south with district 1 in the U.P. to district 9 in the southeast. Each district has within itself more homogeneous agriculture than does the state as a whole. Different soil types, fertility, precipitation, and length of growing season make each district unique.**

1 Upper Peninsula
2 Northwest
3 Northwest
4 West Central
5 Central
6 East Central
7 Southwest
8 South Central
9 Southeast

## General Information

Estimates are not published for counties with small acreages, inventories or production. Livestock rankings based on number of head. Crop rankings based on production. Corn ranking based on grain production. Dry bean yields are rounded to the nearest 10 pounds. Potato yields are rounded to the nearest 5 hundred-weight.

## Rank of Michigan's Counties[1]

| COUNTY | Number of Farms | Corn | Soy-beans | Wheat | Dry Beans | Oats | Pota-toes | Barley | All Cattle | Milk Cows | All Hogs | HP LA[2] | Sheep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alger | 77 | 71 | 67* | 76 | — | 76* | 57 | 15 | 71 | 63* | 76* | 79* | 39* |
| Baraga | 78 | 74* | — | 73* | — | 73 | — | 42 | 76 | 72* | — | 78 | 71* |
| Chippewa | 49 | 69 | — | 59 | — | 42 | 65 | 12 | 50 | 45* | 59* | 18 | 17* |
| Delta | 54 | 67 | 45 | 65 | 21 | 38 | 15 | 4 | 46 | 42 | 51 | 56 | 56* |
| Dickinson | 69* | 68 | — | — | — | 64* | 11 | 17 | 65* | 63* | 72* | 72* | 71* |
| Gogebic | 76 | 78* | — | — | — | 78* | 68* | 75* | 79 | 77* | — | 72* | — |
| Houghton | 64 | 74* | — | — | — | 58* | 31 | 45* | 69 | 63* | 70* | 42* | 64* |
| Iron | 72 | 81 | — | 69 | — | 64* | 27 | 67* | 70 | 75* | 76* | 61* | 39* |
| Keweenaw | 83 | — | — | — | — | — | — | — | — | — | — | — | — |
| Luce | 81 | 78* | — | 77 | 56* | 75 | 23* | 40* | 78 | — | 70* | 81* | — |
| Mackinaw | 73 | 72 | 67* | 67 | — | 63 | 68* | 48* | 62 | 57* | 76* | 67* | — |
| Marquette | 68 | 76 | — | — | — | 70 | 28 | 9 | 73 | 71 | 60* | 70* | 66* |
| Menominee | 44 | 46 | 56 | 68 | 56* | 30 | 58* | 2 | 27* | 18* | 54 | 29* | 71* |
| Ontonagon | 66 | 77 | 63 | 73* | — | 64* | 71 | 69 | 64 | 67* | 76* | 76* | 48* |
| Schoolcraft | 79 | 73 | 58 | 73* | 33 | 72 | 34 | 33 | 74 | 72* | 72* | 81* | — |
| Antrim | 58 | 51 | 62 | 52* | 36* | 53 | 10 | 68 | 53 | 50 | 55* | 29* | 56* |
| Benzie | 65 | 70 | — | 64 | — | 80* | 72* | — | 75 | 78* | 42* | 61* | 71* |
| Charlevoix | 59 | 56 | 61 | 66 | 36* | 68 | 66 | 29 | 57 | 51 | 52 | 25 | 56* |
| Emmet | 60 | 65 | 64* | 70 | 36* | 56* | 25 | 52 | 54* | 61 | 63* | 61* | 56* |
| Grand Traverse | 43 | 47 | 57 | 50 | 47* | 58* | 72* | 60* | 56 | 55* | 45 | 49 | 66* |
| Kalkaska | 74 | 58* | 54 | 57 | 47* | 78* | 12 | — | 77 | 72* | 55* | 76* | 71* |
| Leelanau | 48 | 54 | 64* | 61 | 62 | 62 | 40* | 73* | 59 | 63* | 53 | 41 | 56* |
| Manistee | 56 | 60 | 48 | 62 | 26 | 71 | 13 | 47 | 68 | 75* | 63* | 57* | 52* |
| Missaukee | 51 | 50 | — | 56 | 42 | 29 | 35 | 63* | 21 | 10* | 41 | 57* | 42* |
| Wexford | 62 | 52 | 60 | 54 | 47* | 61 | 72* | 73* | 60* | 52* | 47 | 70* | 66* |
| Alcona | 57 | 57 | 49 | 52* | 58 | 45 | 68* | 32 | 51 | 57* | 59* | 31* | 31* |
| Alpena | 45 | 49 | 44 | 44 | 16 | 13* | 33 | 10 | 40 | 37 | 55* | 33 | 35* |
| Cheboygan | 63 | 63 | 53 | 55 | 33 | 56* | 67 | 14 | 54* | 48* | 67 | 60* | 48* |
| Crawford | 82 | — | — | — | — | 80* | 55 | — | 82 | — | — | 79* | — |
| Iosco | 61 | 44 | 40 | 43 | 25 | 39 | 54 | 22 | 41 | 52* | 50 | 72* | 46* |
| Montmorency | 71 | 61* | 59 | 60 | 29 | 47 | 56 | 38 | 67 | 55* | 68* | 72* | 52* |
| Ogemaw | 55 | 53 | 43 | 49 | 30 | 27 | 51 | 20 | 34 | 33 | 59* | 61* | 42* |
| Oscoda | 75 | 64 | — | 72 | — | 76* | — | 59 | 65* | 62 | 74* | 67* | 48* |
| Otsego | 67 | 61* | — | 58 | 35 | 49 | 17 | 39 | 63 | 67* | 68* | 66 | 66* |
| Presque Isle | 52 | 58* | 52 | 48 | 15 | 13* | 3 | 8 | 42* | 43 | 55* | 55 | 56* |
| Roscommon | 80 | 80 | — | 71 | — | 80* | — | 71* | 81 | — | 74* | 67* | — |
| Lake | 69* | 66 | 64* | 63 | 55 | 69 | 58* | 75* | 72 | 70 | 63* | 50* | 56* |
| Mason | 41 | 39 | 47 | 40 | 43* | 41 | 62* | 44 | 39 | 36 | 48* | 37* | 26* |
| Muskegon | 42 | 37 | 42 | 41 | 59 | 54 | 62* | 34 | 38 | 31 | 37 | 50* | 52* |
| Newaygo | 35 | 35 | 46 | 42 | 45 | 46 | 40* | 43 | 26 | 17 | 33 | 7 | 31* |
| Oceana | 36 | 43 | 55 | 45 | 63* | 64* | 48* | 70 | 36* | 38 | 32 | 19 | 46* |
| Clare | 53 | 55 | 41 | 46 | 43* | 40 | 64 | 25 | 35 | 39 | 31 | 61* | 25 |
| Gladwin | 47 | 42 | 37 | 38 | 20 | 33 | — | 30 | 44 | 48* | 46 | 50* | 29* |
| Gratiot | 21 | 7 | 4 | 10 | 3 | 12 | 19 | 27 | 14 | 15* | 22* | 8 | 17* |

## Rank of Michigan's Counties[1]

| COUNTY | Number of Farms | Corn | Soy-beans | Wheat | Dry Beans | Oats | Pota-toes | Barley | All Cattle | Milk Cows | All Hogs | HP LA[2] | Sheep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Isabella | 30 | 33 | 25 | 17 | 12 | 11 | 50 | 6 | 9* | 8 | 18 | 13 | 31* |
| Mecosta | 38 | 41 | 51 | 36 | 18 | 43 | 4 | 11 | 29 | 27 | 39 | 50* | 31* |
| Midland | 40 | 34 | 23 | 33 | 10 | 51* | 43 | 58 | 48* | 67* | 36 | 57* | 56* |
| Montcalm | 24 | 19 | 32 | 15 | 7 | 10 | 1 | 13 | 18 | 10* | 27* | 46 | 22* |
| Osceola | 39 | 48 | 50 | 51 | 52* | 37 | 40* | 28 | 25 | 22 | 40 | 35* | 26* |
| Arenac | 50 | 38 | 27 | 34 | 10 | 31* | 7 | 56 | 48* | 40* | 42* | 47 | 64* |
| Bay | 26 | 21 | 15 | 25 | 4 | 50 | 2 | 36 | 60* | 54 | 42* | 48 | 71* |
| Huron | 5 | 1 | 28 | 1 | 1 | 2 | 29 | 1 | 1 | 2 | 7* | 2 | 48* |
| Saginaw | 4 | 11 | 1 | 5 | 6 | 17 | 20 | 24 | 33 | 30 | 30 | 26* | 17* |
| Sanilac | 1 | 5 | 9 | 4 | 5 | 1 | 45 | 3 | 2 | 1 | 27* | 34 | 35* |
| Tuscola | 10 | 2 | 13 | 3 | 2 | 3 | 9 | 5 | 22* | 23 | 19* | 5 | 35* |
| Allegan | 2 | 13 | 33 | 27 | 39* | 18 | 5 | 57 | 3 | 3 | 2 | 4 | 15 |
| Berrien | 3 | 26* | 18 | 29 | 39* | 60 | 48* | 50* | 52 | 45* | 16 | 14 | 52* |
| Cass | 29 | 10 | 17 | 31 | — | 44 | 46* | 21 | 36* | 44 | 1 | 37* | 9* |
| Kalamazoo | 32 | 25 | 22 | 22 | 50* | 31* | 46* | 48* | 31 | 34* | 11* | 9 | 13* |
| Kent | 8 | 24 | 36 | 28 | 24 | 16 | 18 | 19 | 5* | 7 | 22* | 11* | 22* |
| Ottawa | 7 | 26* | 38 | 32 | 39* | 23 | 21 | 37 | 4 | 5 | 3 | 1 | 29* |
| Van Buren | 11 | 31 | 26 | 39 | — | 48 | 39 | 54 | 42* | 47 | 4 | 6 | 26* |
| Barry | 27 | 29 | 29 | 21 | 23 | 34 | 30 | 26 | 15 | 14 | 25 | 20 | 16 |
| Branch | 23 | 4 | 7 | 23 | 63* | 36 | 75* | 53 | 22* | 29 | 6 | 42* | 7 |
| Calhoun | 19 | 12 | 21 | 14 | 46 | 19 | 36* | 63* | 13 | 24 | 11* | 15* | 12 |
| Clinton | 9 | 16 | 5 | 6 | 14 | 8 | 44 | 18 | 5* | 4 | 13* | 37* | 8 |
| Eaton | 14 | 17 | 19 | 8 | 8 | 26 | 14 | 66 | 22* | 28 | 19* | 21 | 4* |
| Hillsdale | 16 | 9 | 10 | 16 | 60* | 24 | 75* | 63* | 11* | 13 | 9 | 15* | 3 |
| Ingham | 25 | 22 | 20 | 11 | 22 | 25 | 26 | 50* | 16 | 10* | 13* | 15* | 4* |
| Ionia | 22 | 14 | 14 | 7 | 9 | 6 | 52* | 16 | 7 | 6 | 10 | 3 | 17* |
| Jackson | 20 | 18 | 34 | 24 | 52* | 20 | 52* | 55 | 8 | 18* | 19* | 35* | 2 |
| St. Joseph | 28 | 6 | 11 | 26 | 52* | 55 | 61 | 41 | 32 | 34* | 5 | 28 | 13* |
| Shiawassee | 13 | 28 | 6 | 9 | 19 | 4 | 36* | 23 | 19* | 15* | 24 | 31* | 21 |
| Genesee | 31 | 23 | 12 | 18 | 28 | 13* | 16 | 45* | 30* | 32 | 26 | 24 | 22* |
| Lapeer | 15 | 15 | 30 | 20 | 13 | 5 | 23* | 7 | 9* | 9 | 27* | 44 | 9* |
| Lenawee | 6 | 3 | 2 | 2 | 31 | 21 | 6 | 75* | 11* | 18* | 7* | 23 | 6 |
| Livingston | 33 | 32 | 35 | 30 | 32 | 35 | 77 | 60* | 19* | 25 | 35 | 45 | 11 |
| Macomb | 34 | 36 | 16 | 35 | 27 | 28 | 32 | 71* | 45 | 40* | 34 | 26* | 42* |
| Monroe | 12 | 8 | 3 | 12 | 50* | 22 | 8 | 60* | 47 | 57* | 17 | 10 | 38 |
| Oakland | 37 | 40 | 39 | 37 | — | 51* | — | 75* | 58 | 57* | 48* | 50* | 39* |
| St. Clair | 18 | 30 | 8 | 19 | 17 | 9 | 36* | 35 | 27* | 26 | 38 | 11* | 42* |
| Washtenaw | 17 | 20 | 24 | 13 | 60* | 7 | 22 | 31 | 17 | 18* | 15 | 22 | 1 |
| Wayne | 46 | 45 | 31 | 47 | — | 74 | 60 | — | 80 | 78* | 62 | 40 | 66* |

[1] Livestock rankings based on number of head. Crop rankings based on production. Corn rankings based on grain production. Number of farms data from 1982 Census of Agriculture all others from 1984 County estimates.

[2] HPLA — Hens and Pullets of Laying Age.

* Tied with another county.

## Cattle, Sheep, Equine: January 1, 1985

| DISTRICT AND COUNTY | All Cattle and Calves | All Cows that have Calved | Milk Cows | Beef Cows | All Sheep and Lambs | Total Equine[1] |
|---|---|---|---|---|---|---|
| | | *Head* | | | *Head* | *Head* |
| Alger | 2,600 | 1,100 | 900 | 200 | 700 | 100 |
| Baraga | 1,700 | 700 | 400 | 300 | 50 | 300 |
| Chippewa | 9,400 | 4,500 | 2,400 | 2,100 | 1,800 | 900 |
| Delta | 10,200 | 4,800 | 2,700 | 2,100 | 200 | 500 |
| Dickinson | 3,700 | 1,800 | 900 | 900 | 50 | 400 |
| Gogebic | 1,200 | 600 | 200 | 400 | — | 200 |
| Houghton | 3,000 | 1,300 | 900 | 400 | 150 | 400 |
| Iron | 2,800 | 1,800 | 300 | 1,500 | 700 | 400 |
| Keweenaw | — | — | — | — | — | — |
| Luce | 1,300 | 300 | — | 300 | — | — |
| Mackinac | 4,400 | 2,000 | 1,200 | 800 | — | 800 |
| Marquette | 2,200 | 900 | 500 | 400 | 100 | 700 |
| Menominee | 23,500 | 9,800 | 8,000 | 1,800 | 50 | 800 |
| Ontonagon | 4,000 | 1,700 | 700 | 1,000 | 400 | 300 |
| Schoolcraft | 2,000 | 1,200 | 400 | 800 | — | — |
| UPPER PENINSULA (1) | 72,000 | 32,500 | 19,500 | 13,000 | 4,200 | 6,000 |
| Antrim | 8,300 | 2,700 | 1,800 | 900 | 200 | 400 |
| Benzie | 1,800 | 600 | 100 | 500 | 50 | 300 |
| Charlevoix | 6,900 | 3,100 | 1,600 | 1,500 | 200 | 900 |
| Emmet | 7,500 | 3,300 | 1,100 | 2,200 | 200 | 600 |
| Grand Traverse | 7,000 | 2,400 | 1,300 | 1,100 | 100 | 1,300 |
| Kalkaska | 1,400 | 600 | 400 | 200 | 50 | 300 |
| Leelanau | 6,400 | 1,600 | 900 | 700 | 200 | 500 |
| Manistee | 3,200 | 1,500 | 300 | 1,200 | 300 | 600 |
| Missaukee | 25,500 | 11,000 | 10,000 | 1,000 | 600 | 800 |
| Wexford | 5,000 | 2,200 | 1,500 | 700 | 100 | 300 |
| NORTHWEST (2) | 73,000 | 29,000 | 19,000 | 10,000 | 2,000 | 6,000 |
| Alcona | 9,300 | 3,900 | 1,200 | 2,700 | 1,000 | 500 |
| Alpena | 12,400 | 5,600 | 3,300 | 2,300 | 900 | 1,000 |
| Cheboygan | 7,500 | 3,700 | 1,900 | 1,800 | 400 | 400 |
| Crawford | 100 | — | — | — | — | 300 |
| Iosco | 12,000 | 4,300 | 1,500 | 2,800 | 500 | 900 |
| Montmorency | 3,500 | 1,800 | 1,300 | 500 | 300 | 500 |
| Ogemaw | 15,300 | 5,800 | 4,000 | 1,800 | 600 | 1,000 |
| Oscoda | 3,700 | 1,700 | 1,000 | 700 | 400 | 500 |
| Otsego | 4,300 | 1,400 | 700 | 700 | 100 | 400 |
| Presque Isle | 11,500 | 5,100 | 2,600 | 2,500 | 200 | 600 |
| Roscommon | 400 | 200 | — | 200 | — | 400 |
| NORTHEAST (3) | 80,000 | 33,500 | 17,500 | 16,000 | 4,400 | 6,500 |
| Lake | 2,400 | 1,200 | 600 | 600 | 200 | 300 |
| Mason | 12,800 | 4,400 | 3,700 | 700 | 1,200 | 1,000 |
| Muskegon | 14,300 | 5,200 | 4,500 | 700 | 300 | 2,000 |
| Newaygo | 24,000 | 9,900 | 8,100 | 1,800 | 1,000 | 1,800 |
| Oceana | 14,500 | 4,800 | 3,100 | 1,700 | 500 | 1,400 |
| WEST CENTRAL (4) | 68,000 | 25,500 | 20,000 | 5,500 | 3,200 | 6,500 |
| Clare | 15,000 | 6,000 | 2,900 | 3,100 | 1,300 | 1,200 |
| Gladwin | 11,000 | 4,500 | 1,900 | 2,600 | 1,100 | 1,100 |
| Gratiot | 32,000 | 11,200 | 8,200 | 3,000 | 1,800 | 1,500 |

## Cattle, Sheep, Equine: January 1, 1985

| DISTRICT AND COUNTY | All Cattle and Calves | All Cows that have Calved | Milk Cows | Beef Cows | All Sheep and Lambs | Total Equine[1] |
|---|---|---|---|---|---|---|
| | | *Head* | | | *Head* | *Head* |
| Isabella | 38,000 | 14,100 | 11,200 | 2,900 | 1,000 | 1,700 |
| Mecosta | 23,000 | 9,100 | 5,800 | 3,300 | 1,000 | 1,300 |
| Midland | 9,500 | 1,800 | 700 | 1,100 | 200 | 1,800 |
| Montcalm | 28,000 | 11,400 | 10,000 | 1,400 | 1,400 | 2,000 |
| Osceola | 24,500 | 11,400 | 7,800 | 3,600 | 1,200 | 1,400 |
| CENTRAL (5) | 181,000 | 69,500 | 48,500 | 21,000 | 9,000 | 12,000 |
| Arenac | 9,500 | 3,400 | 2,800 | 600 | 150 | 700 |
| Bay | 5,000 | 1,800 | 1,400 | 400 | 50 | 1,400 |
| Huron | 84,000 | 23,000 | 19,500 | 3,500 | 400 | 1,500 |
| Saginaw | 16,500 | 6,200 | 4,600 | 1,600 | 1,800 | 2,500 |
| Sanilac | 82,000 | 32,600 | 30,000 | 2,600 | 900 | 2,700 |
| Tuscola | 25,000 | 10,500 | 7,700 | 2,800 | 900 | 2,200 |
| EAST CENTRAL (6) | 222,000 | 77,500 | 66,000 | 11,500 | 4,200 | 11,000 |
| Allegan | 55,000 | 19,400 | 15,800 | 3,600 | 2,000 | 4,400 |
| Berrien | 8,500 | 3,900 | 2,400 | 1,500 | 300 | 3,300 |
| Cass | 14,500 | 6,100 | 2,500 | 3,600 | 2,800 | 2,400 |
| Kalamazoo | 19,500 | 6,200 | 3,800 | 2,400 | 2,200 | 3,800 |
| Kent | 44,000 | 16,800 | 13,200 | 3,600 | 1,400 | 3,000 |
| Ottawa | 53,000 | 19,200 | 14,500 | 4,700 | 1,100 | 3,200 |
| Van Buren | 11,500 | 4,900 | 2,300 | 2,600 | 1,200 | 2,900 |
| SOUTHWEST (7) | 206,000 | 76,500 | 54,500 | 22,000 | 11,000 | 23,000 |
| Barry | 31,500 | 13,500 | 9,300 | 4,200 | 1,900 | 3,100 |
| Branch | 25,000 | 7,500 | 5,200 | 2,300 | 3,600 | 2,200 |
| Calhoun | 33,500 | 12,800 | 7,300 | 5,500 | 2,500 | 4,300 |
| Clinton | 44,000 | 17,700 | 15,500 | 2,200 | 3,400 | 2,400 |
| Eaton | 25,000 | 10,300 | 5,500 | 4,800 | 4,500 | 4,500 |
| Hillsdale | 34,500 | 13,200 | 9,500 | 3,700 | 4,600 | 3,200 |
| Ingham | 31,000 | 12,700 | 10,000 | 2,700 | 4,500 | 5,000 |
| Ionia | 42,000 | 16,400 | 13,700 | 2,700 | 1,800 | 2,100 |
| Jackson | 38,500 | 13,400 | 8,000 | 5,400 | 6,500 | 5,500 |
| St. Joseph | 17,000 | 5,800 | 3,800 | 2,000 | 2,200 | 2,900 |
| Shiawassee | 26,000 | 10,700 | 8,200 | 2,500 | 1,500 | 2,800 |
| SOUTH CENTRAL (8) | 348,000 | 134,000 | 96,000 | 38,000 | 37,000 | 38,000 |
| Genesee | 20,000 | 6,200 | 4,200 | 2,000 | 1,400 | 4,800 |
| Lapeer | 38,000 | 14,000 | 10,200 | 3,800 | 2,800 | 5,000 |
| Lenawee | 34,500 | 10,500 | 8,000 | 2,500 | 4,400 | 4,500 |
| Livingston | 26,000 | 9,300 | 7,000 | 2,300 | 2,600 | 5,000 |
| Macomb | 10,500 | 3,900 | 2,800 | 1,100 | 600 | 3,600 |
| Monroe | 10,000 | 1,900 | 1,200 | 700 | 800 | 4,000 |
| Oakland | 6,500 | 3,300 | 1,200 | 2,100 | 700 | 9,000 |
| St. Clair | 23,500 | 11,800 | 6,300 | 5,500 | 600 | 3,900 |
| Washtenaw | 30,000 | 10,800 | 8,000 | 2,800 | 21,000 | 6,300 |
| Wayne | 1,000 | 300 | 100 | 200 | 100 | 4,900 |
| SOUTHEAST (9) | 200,000 | 72,000 | 49,000 | 23,000 | 35,000 | 51,000 |
| STATE | 1,450,000 | 550,000 | 390,000 | 160,000 | 110,000 | 160,000 |

[1] Total equine in Michigan October 1984. Estimate based on October 1984 Michigan Equine Survey and 1982 Census of Agriculture.

## Cattle and Sheep: January 1, 1984

| DISTRICT AND COUNTY | All Cattle and Calves | All Cows that have Calved | Milk Cows | Beef Cows | All Sheep and Lambs |
|---|---|---|---|---|---|
| | | *Head* | | | *Head* |
| Alger | 2,600 | 1,100 | 900 | 200 | 700 |
| Baraga | 1,800 | 900 | 500 | 400 | 50 |
| Chippewa | 10,000 | 4,600 | 2,600 | 2,000 | 1,900 |
| Delta | 10,500 | 4,900 | 2,700 | 2,200 | 200 |
| Dickinson | 3,800 | 1,900 | 1,000 | 900 | 50 |
| Gogebic | 1,300 | 600 | 200 | 400 | — |
| Houghton | 3,100 | 1,400 | 1,000 | 400 | 150 |
| Iron | 2,900 | 1,700 | 300 | 1,400 | 500 |
| Keweenaw | — | — | — | — | — |
| Luce | 1,400 | 400 | — | 400 | — |
| Mackinac | 4,500 | 2,100 | 1,300 | 800 | — |
| Marquette | 2,200 | 1,000 | 600 | 400 | 50 |
| Menominee | 23,500 | 10,200 | 8,300 | 1,900 | 100 |
| Ontonagon | 4,200 | 1,800 | 700 | 1,100 | 300 |
| Schoolcraft | 2,200 | 1,400 | 400 | 1,000 | — |
| UPPER PENINSULA (1) | 74,000 | 34,000 | 20,500 | 13,500 | 4,000 |
| Antrim | 8,500 | 2,900 | 1,900 | 1,000 | 200 |
| Benzie | 1,900 | 600 | 100 | 500 | 50 |
| Charlevoix | 7,000 | 3,100 | 1,700 | 1,400 | 200 |
| Emmet | 7,500 | 3,300 | 1,200 | 2,100 | 150 |
| Grand Traverse | 7,000 | 2,400 | 1,300 | 1,100 | 50 |
| Kalkaska | 1,500 | 600 | 400 | 200 | 50 |
| Leelanau | 6,300 | 1,700 | 1,000 | 700 | 100 |
| Manistee | 3,300 | 1,500 | 300 | 1,200 | 300 |
| Missaukee | 26,000 | 11,600 | 10,500 | 1,100 | 600 |
| Wexford | 5,000 | 2,300 | 1,600 | 700 | 100 |
| NORTHWEST (2) | 74,000 | 30,000 | 20,000 | 10,000 | 1,800 |
| Alcona | 9,500 | 4,000 | 1,300 | 2,700 | 800 |
| Alpena | 12,500 | 5,500 | 3,200 | 2,300 | 700 |
| Cheboygan | 7,500 | 3,600 | 1,800 | 1,800 | 400 |
| Crawford | 100 | — | — | — | — |
| Iosco | 12,200 | 4,400 | 1,500 | 2,900 | 500 |
| Montmorency | 3,500 | 1,800 | 1,300 | 500 | 400 |
| Ogemaw | 15,500 | 5,900 | 4,200 | 1,700 | 600 |
| Oscoda | 3,800 | 1,700 | 1,100 | 600 | 400 |
| Otsego | 4,300 | 1,500 | 800 | 700 | 100 |
| Presque Isle | 11,700 | 5,100 | 2,500 | 2,600 | 200 |
| Roscommon | 400 | 200 | — | 200 | — |
| NORTHEAST (3) | 81,000 | 33,700 | 17,700 | 16,000 | 4,100 |
| Lake | 2,600 | 1,100 | 500 | 600 | 200 |
| Mason | 13,200 | 4,500 | 3,800 | 700 | 1,200 |
| Muskegon | 14,500 | 5,500 | 4,700 | 800 | 200 |
| Newaygo | 25,000 | 10,100 | 8,400 | 1,700 | 900 |
| Oceana | 14,700 | 4,600 | 2,900 | 1,700 | 500 |
| WEST CENTRAL (4) | 70,000 | 25,800 | 20,300 | 5,500 | 3,000 |
| Clare | 15,500 | 6,000 | 3,000 | 3,000 | 1,500 |
| Gladwin | 11,700 | 4,400 | 1,800 | 2,600 | 1,200 |
| Gratiot | 31,000 | 11,600 | 8,700 | 2,900 | 1,600 |

## Cattle and Sheep: January 1, 1984

| DISTRICT AND COUNTY | All Cattle and Calves | All Cows that have Calved | Milk Cows | Beef Cows | All Sheep and Lambs |
|---|---|---|---|---|---|
| | | *Head* | | | *Head* |
| Isabella | 38,500 | 14,000 | 11,200 | 2,800 | 900 |
| Mecosta | 22,800 | 9,300 | 6,100 | 3,200 | 1,000 |
| Midland | 9,800 | 1,700 | 700 | 1,000 | 200 |
| Montcalm | 28,700 | 12,000 | 10,500 | 1,500 | 1,000 |
| Osceola | 25,000 | 11,500 | 8,000 | 3,500 | 900 |
| CENTRAL (5) | 183,000 | 70,500 | 50,000 | 20,500 | 8,300 |
| Arenac | 9,800 | 3,800 | 3,200 | 600 | 150 |
| Bay | 5,200 | 1,900 | 1,500 | 400 | 50 |
| Huron | 85,000 | 22,900 | 19,500 | 3,400 | 400 |
| Saginaw | 17,000 | 6,200 | 4,700 | 1,500 | 1,700 |
| Sanilac | 83,000 | 33,500 | 31,000 | 2,500 | 900 |
| Tuscola | 26,000 | 10,200 | 7,600 | 2,600 | 900 |
| EAST CENTRAL (6) | 226,000 | 78,500 | 67,500 | 11,000 | 4,100 |
| Allegan | 56,000 | 20,000 | 16,500 | 3,500 | 2,200 |
| Berrien | 9,000 | 3,600 | 2,100 | 1,500 | 400 |
| Cass | 15,000 | 6,100 | 2,500 | 3,600 | 2,800 |
| Kalamazoo | 20,000 | 5,900 | 3,600 | 2,300 | 2,000 |
| Kent | 44,000 | 17,600 | 14,000 | 3,600 | 1,400 |
| Ottawa | 53,000 | 19,500 | 15,000 | 4,500 | 1,000 |
| Van Buren | 12,000 | 4,800 | 2,300 | 2,500 | 1,200 |
| SOUTHWEST (7) | 209,000 | 77,500 | 56,000 | 21,500 | 11,000 |
| Barry | 32,000 | 13,800 | 9,700 | 4,100 | 2,200 |
| Branch | 25,500 | 7,800 | 5,500 | 2,300 | 3,800 |
| Calhoun | 34,000 | 12,700 | 7,400 | 5,300 | 2,900 |
| Clinton | 45,000 | 17,700 | 15,500 | 2,200 | 3,800 |
| Eaton | 26,000 | 10,700 | 6,000 | 4,700 | 4,300 |
| Hillsdale | 35,000 | 13,600 | 10,000 | 3,600 | 4,500 |
| Ingham | 31,000 | 13,000 | 10,200 | 2,800 | 4,500 |
| Ionia | 43,000 | 16,300 | 13,500 | 2,800 | 2,000 |
| Jackson | 39,000 | 13,500 | 8,200 | 5,300 | 6,400 |
| St. Joseph | 17,500 | 6,300 | 4,300 | 2,000 | 2,500 |
| Shiawassee | 27,000 | 11,100 | 8,700 | 2,400 | 1,600 |
| SOUTH CENTRAL (8) | 355,000 | 136,500 | 99,000 | 37,500 | 38,500 |
| Genesee | 20,000 | 6,500 | 4,500 | 2,000 | 1,200 |
| Lapeer | 39,000 | 14,500 | 10,800 | 3,700 | 3,000 |
| Lenawee | 35,000 | 10,700 | 8,300 | 2,400 | 4,700 |
| Livingston | 26,000 | 9,600 | 7,400 | 2,200 | 2,500 |
| Macomb | 11,000 | 4,100 | 3,000 | 1,100 | 700 |
| Monroe | 10,200 | 2,000 | 1,300 | 700 | 1,000 |
| Oakland | 7,000 | 3,200 | 1,200 | 2,000 | 700 |
| St. Clair | 24,000 | 11,400 | 6,000 | 5,400 | 600 |
| Washtenaw | 30,000 | 11,100 | 8,300 | 2,800 | 20,700 |
| Wayne | 800 | 400 | 200 | 200 | 100 |
| SOUTHEAST (9) | 203,000 | 73,500 | 51,000 | 22,500 | 35,200 |
| STATE | 1,475,000 | 560,000 | 402,000 | 158,000 | 110,000 |

# Hogs and Pigs, Chickens: December, 1, 1983-84

| DISTRICT AND COUNTY | All Hogs and Pigs | | Sows Farrowed | | Hens and Pullets of Laying Age | |
|---|---|---|---|---|---|---|
| | 1984 | 1983 | 1984 | 1983 | 1984 | 1983 |
| | *Head* | | | | *Birds* | |
| Alger | — | — | — | — | — | — |
| Baraga | — | — | — | — | — | — |
| Chippewa | 900 | 900 | 200 | 200 | 66,000 | 65,000 |
| Delta | 1,500 | 1,400 | 250 | 200 | 2,000 | 2,000 |
| Dickinson | 150 | 200 | 100 | 100 | — | — |
| Gogebic | — | — | — | — | — | — |
| Houghton | 200 | 150 | — | — | 11,000 | 10,000 |
| Iron | — | — | — | — | 1,000 | 1,000 |
| Keweenaw | — | — | — | — | — | — |
| Luce | 200 | 200 | — | — | — | — |
| Mackinac | — | — | — | — | — | — |
| Marquette | 600 | 700 | 100 | 100 | — | — |
| Menominee | 1,100 | 1,100 | 400 | 400 | 22,000 | 22,000 |
| Ontonagon | — | 100 | — | — | — | — |
| Schoolcraft | 150 | 200 | — | — | — | — |
| UPPER PENINSULA (1) | 5,000 | 5,100 | 1,300 | 1,200 | 105,500 | 104,000 |
| Antrim | 1,000 | 1,000 | 300 | 300 | 22,000 | 22,000 |
| Benzie | 3,500 | 3,700 | 300 | 250 | 1,000 | 1,200 |
| Charlevoix | 1,300 | 1,000 | 150 | 150 | 27,500 | 28,000 |
| Emmet | 600 | 500 | 100 | — | 1,000 | 1,200 |
| Grand Traverse | 3,100 | 3,200 | 550 | 500 | 3,500 | 4,000 |
| Kalkaska | 1,000 | 1,000 | 300 | 350 | — | — |
| Leelanau | 1,200 | 1,000 | 200 | 200 | 11,500 | 9,000 |
| Manistee | 600 | 500 | 100 | 100 | 1,500 | 1,500 |
| Missaukee | 3,800 | 3,000 | 1,400 | 1,300 | 1,500 | 2,000 |
| Wexford | 2,400 | 2,400 | 800 | 800 | — | — |
| NORTHWEST (2) | 18,500 | 17,300 | 4,200 | 4,000 | 70,500 | 70,000 |
| Alcona | 900 | 500 | 100 | 100 | 20,000 | 29,000 |
| Alpena | 1,000 | 1,000 | 250 | 250 | 17,500 | 17,000 |
| Cheboygan | 500 | 500 | 100 | 100 | 1,300 | 1,300 |
| Crawford | — | — | — | — | — | — |
| Iosco | 1,900 | 2,200 | 500 | 500 | — | — |
| Montmorency | 300 | 400 | 100 | — | — | — |
| Ogemaw | 900 | 1,000 | 250 | 300 | 1,000 | 1,200 |
| Oscoda | 100 | 100 | — | — | — | — |
| Otsego | 300 | 200 | — | — | — | — |
| Presque isle | 1,000 | 1,100 | 300 | 300 | 2,500 | 2,500 |
| Roscommon | 100 | 100 | — | — | — | — |
| NORTHEAST (3) | 7,000 | 7,100 | 1,700 | 1,700 | 46,000 | 55,000 |
| Lake | 600 | 400 | 100 | 100 | 3,000 | 3,000 |
| Mason | 2,000 | 2,200 | 700 | 700 | 13,000 | 13,000 |
| Muskegon | 4,900 | 4,900 | 1,400 | 1,200 | 3,000 | 3,000 |
| Newaygo | 8,000 | 8,500 | 2,500 | 2,300 | 153,000 | 145,000 |
| Oceana | 9,000 | 7,500 | 2,100 | 1,700 | 59,000 | 58,000 |
| WEST CENTRAL (4) | 24,500 | 23,500 | 6,800 | 6,000 | 231,000 | 222,000 |
| Clare | 9,800 | 6,600 | 1,800 | 1,700 | 1,000 | 1,000 |
| Gladwin | 3,000 | 3,500 | 700 | 800 | 3,000 | 4,000 |
| Gratiot | 21,000 | 20,000 | 3,700 | 3,500 | 147,000 | 121,000 |

# Hogs and Pigs, Chickens: December, 1, 1983-84

| DISTRICT AND COUNTY | All Hogs and Pigs | | Sows Farrowed | | Hens and Pullets of Laying Age | |
|---|---|---|---|---|---|---|
| | 1984 | 1983 | 1984 | 1983 | 1984 | 1983 |
| | *Head* | | | | *Birds* | |
| Isabella | 24,500 | 20,500 | 4,000 | 3,500 | 78,000 | 102,000 |
| Mecosta | 4,500 | 4,700 | 1,100 | 1,100 | 3,000 | 3,000 |
| Midland | 5,200 | 5,500 | 1,300 | 1,400 | 1,500 | 1,500 |
| Montcalm | 14,000 | 13,000 | 2,900 | 2,800 | 7,500 | 12,500 |
| Osceola | 4,000 | 4,200 | 1,000 | 1,000 | 15,000 | 20,000 |
| CENTRAL (5) | 86,000 | 78,000 | 16,500 | 15,800 | 256,000 | 265,000 |
| Arenac | 3,500 | 4,000 | 600 | 700 | 7,000 | 8,000 |
| Bay | 3,500 | 3,200 | 600 | 600 | 6,000 | 5,000 |
| Huron | 47,000 | 40,000 | 7,200 | 6,300 | 1,150,000 | 1,030,000 |
| Saginaw | 10,000 | 11,300 | 1,400 | 1,400 | 27,000 | 27,000 |
| Sanilac | 14,000 | 14,500 | 3,000 | 2,800 | 16,000 | 12,000 |
| Tuscola | 22,000 | 20,000 | 3,700 | 3,500 | 325,000 | 340,000 |
| EAST CENTRAL (6) | 100,000 | 93,000 | 16,500 | 15,300 | 1,531,000 | 1,422,000 |
| Allegan | 115,000 | 110,000 | 18,500 | 16,500 | 880,000 | 800,000 |
| Berrien | 28,000 | 29,000 | 5,500 | 5,500 | 75,000 | 88,000 |
| Cass | 170,000 | 175,000 | 43,000 | 45,000 | 13,000 | 40,000 |
| Kalamazoo | 37,000 | 38,000 | 8,200 | 8,000 | 145,000 | 120,000 |
| Kent | 21,000 | 20,000 | 4,800 | 4,500 | 100,000 | 62,000 |
| Ottawa | 105,000 | 90,000 | 20,000 | 18,000 | 1,280,000 | 1,330,000 |
| Van Buren | 68,000 | 66,000 | 15,000 | 12,500 | 172,000 | 170,000 |
| SOUTHWEST (7) | 544,000 | 528,000 | 115,000 | 110,000 | 2,665,000 | 2,610,000 |
| Barry | 15,000 | 15,000 | 2,500 | 2,600 | 50,000 | 66,000 |
| Branch | 55,000 | 50,000 | 10,500 | 9,000 | 11,000 | 12,000 |
| Calhoun | 37,000 | 33,000 | 8,000 | 7,800 | 70,000 | 74,000 |
| Clinton | 30,000 | 32,000 | 6,500 | 6,500 | 13,000 | 14,000 |
| Eaton | 22,000 | 23,000 | 3,700 | 4,000 | 47,000 | 25,000 |
| Hillsdale | 44,000 | 45,000 | 8,500 | 8,200 | 70,000 | 94,000 |
| Ingham | 30,000 | 28,000 | 4,500 | 4,500 | 70,000 | 70,000 |
| Ionia | 39,000 | 35,000 | 6,800 | 6,500 | 1,035,000 | 645,000 |
| Jackson | 22,000 | 22,000 | 3,000 | 3,000 | 15,000 | 22,000 |
| St. Joseph | 60,000 | 55,000 | 13,000 | 12,000 | 24,000 | 38,000 |
| Shiawassee | 17,000 | 15,000 | 3,000 | 2,900 | 20,000 | 50,000 |
| SOUTH CENTRAL (8) | 371,000 | 353,000 | 70,000 | 67,000 | 1,425,000 | 1,110,000 |
| Genesee | 14,500 | 14,000 | 2,000 | 1,900 | 30,000 | 32,000 |
| Lapeer | 14,000 | 15,000 | 3,300 | 3,500 | 10,000 | 11,000 |
| Lenawee | 47,000 | 45,000 | 8,500 | 8,000 | 32,000 | 25,000 |
| Livingston | 7,200 | 6,700 | 1,400 | 1,500 | 8,000 | 8,000 |
| Macomb | 7,700 | 5,000 | 1,500 | 800 | 27,000 | 30,000 |
| Monroe | 27,000 | 24,000 | 4,000 | 3,800 | 115,000 | 80,000 |
| Oakland | 2,000 | 2,300 | 500 | 600 | 3,000 | 3,000 |
| St. Clair | 4,800 | 5,000 | 1,200 | 1,500 | 100,000 | 110,000 |
| Washtenaw | 29,000 | 27,000 | 5,500 | 5,300 | 33,000 | 32,000 |
| Wayne | 800 | 1,000 | 100 | 100 | 12,000 | 11,000 |
| SOUTHEAST (9) | 154,000 | 145,000 | 28,000 | 27,000 | 370,000 | 342,000 |
| STATE | 1,310,000 | 1,250,000 | 260,000 | 248,000 | 6,700,000 | 6,200,000 |

# MILK: Cow Number, Production Per Cow, Total Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | 1983 | | |
|---|---|---|---|---|---|---|
| | Milk Cows | Milk Per Cow | Total Milk Produced | Milk Cows | Milk Per Cow | Total Milk Produced |
| | *Head* | *Pounds* | *1,000 Pounds* | *Head* | *Pounds* | *1,000 Pounds* |
| Alger | 900 | 13,220 | 11,900 | 900 | 13,440 | 12,100 |
| Baraga | 400 | 13,750 | 5,500 | 500 | 13,800 | 6,900 |
| Chippewa | 2,500 | 12,400 | 31,000 | 2,600 | 12,460 | 32,400 |
| Delta | 2,700 | 12,480 | 33,700 | 2,700 | 12,590 | 34,000 |
| Dickinson | 1,000 | 14,600 | 14,600 | 1,000 | 14,700 | 14,700 |
| Gogebic | 200 | 13,000 | 2,600 | 200 | 13,000 | 2,600 |
| Houghton | 1,000 | 12,900 | 12,900 | 1,000 | 12,900 | 12,900 |
| Iron | 300 | 14,670 | 4,400 | 300 | 14,670 | 4,400 |
| Keweenaw | — | — | — | — | — | — |
| Luce | — | — | — | — | — | — |
| Mackinac | 1,200 | 13,830 | 16,600 | 1,300 | 14,080 | 18,300 |
| Marquette | 600 | 12,670 | 7,600 | 600 | 12,830 | 7,700 |
| Menominee | 8,100 | 12,530 | 101,500 | 8,300 | 12,570 | 104,300 |
| Ontonagon | 700 | 14,140 | 9,900 | 700 | 14,000 | 9,800 |
| Schoolcraft | 400 | 14,500 | 5,800 | 400 | 14,750 | 5,900 |
| UPPER PENINSULA (1) | 20,000 | 12,900 | 258,000 | 20,500 | 12,976 | 266,000 |
| Antrim | 1,800 | 13,220 | 23,800 | 1,900 | 13,420 | 25,500 |
| Benzie | 100 | 13,000 | 1,300 | 100 | 13,000 | 1,300 |
| Charlevoix | 1,700 | 13,000 | 22,100 | 1,700 | 13,180 | 22,400 |
| Emmet | 1,200 | 12,920 | 15,500 | 1,200 | 13,080 | 15,700 |
| Grand Traverse | 1,300 | 14,540 | 18,900 | 1,300 | 14,620 | 19,000 |
| Kalkaska | 400 | 12,000 | 4,800 | 400 | 12,250 | 4,900 |
| Leelanau | 900 | 14,440 | 13,000 | 1,000 | 14,700 | 14,700 |
| Manistee | 300 | 12,330 | 3,700 | 300 | 12,330 | 3,700 |
| Missaukee | 10,200 | 14,660 | 149,500 | 10,500 | 14,780 | 155,200 |
| Wexford | 1,600 | 12,750 | 20,400 | 1,600 | 12,880 | 20,600 |
| NORTHWEST (2) | 19,500 | 14,000 | 273,000 | 20,000 | 14,150 | 283,000 |
| Alcona | 1,200 | 14,580 | 17,500 | 1,300 | 14,620 | 19,000 |
| Alpena | 3,200 | 14,530 | 46,500 | 3,200 | 14,690 | 47,000 |
| Cheboygan | 1,900 | 14,470 | 27,500 | 1,800 | 14,560 | 26,200 |
| Crawford | — | — | — | — | — | — |
| Iosco | 1,500 | 14,330 | 21,500 | 1,500 | 14,400 | 21,600 |
| Montmorency | 1,300 | 12,690 | 16,500 | 1,300 | 13,000 | 16,900 |
| Ogemaw | 4,100 | 13,290 | 54,500 | 4,200 | 13,330 | 56,000 |
| Oscoda | 1,100 | 14,360 | 15,800 | 1,100 | 14,640 | 16,100 |
| Otsego | 700 | 13,570 | 9,500 | 800 | 13,880 | 11,100 |
| Presque Isle | 2,500 | 13,080 | 32,700 | 2,500 | 13,240 | 33,100 |
| Roscommon | — | — | — | — | — | — |
| NORTHEAST (3) | 17,500 | 13,829 | 242,000 | 17,700 | 13,955 | 247,000 |
| Lake | 500 | 13,400 | 6,700 | 500 | 13,600 | 6,800 |
| Mason | 3,700 | 13,920 | 51,500 | 3,800 | 13,950 | 53,000 |
| Muskegon | 4,600 | 13,370 | 61,500 | 4,700 | 13,400 | 63,000 |
| Newaygo | 8,200 | 13,290 | 109,000 | 8,400 | 13,540 | 113,700 |
| Oceana | 3,000 | 13,770 | 41,300 | 2,900 | 13,970 | 40,500 |
| WEST CENTRAL (4) | 20,000 | 13,500 | 270,000 | 20,300 | 13,645 | 277,000 |
| Clare | 2,900 | 14,280 | 41,400 | 3,000 | 14,330 | 43,000 |
| Gladwin | 1,800 | 13,890 | 25,000 | 1,800 | 14,170 | 25,500 |
| Gratiot | 8,400 | 14,460 | 121,500 | 8,700 | 14,520 | 126,300 |

# MILK: Cow Number, Production Per Cow, Total Production, 1983-84

| DISTRICT AND COUNTY | 1984 Milk Cows | 1984 Milk Per Cow | 1984 Total Milk Produced | 1983 Milk Cows | 1983 Milk Per Cow | 1983 Total Milk Produced |
|---|---|---|---|---|---|---|
| | *Head* | *Pounds* | *1,000 Pounds* | *Head* | *Pounds* | *1,000 Pounds* |
| Isabella | 11,200 | 12,950 | 145,000 | 11,200 | 13,180 | 147,600 |
| Mecosta | 5,900 | 14,610 | 86,200 | 6,100 | 14,640 | 89,300 |
| Midland | 700 | 13,430 | 9,400 | 700 | 13,570 | 9,500 |
| Montcalm | 10,200 | 12,990 | 132,500 | 10,500 | 13,190 | 138,500 |
| Osceola | 7,900 | 13,540 | 107,000 | 8,000 | 13,790 | 110,300 |
| CENTRAL (5) | 49,000 | 13,633 | 668,000 | 50,000 | 13,800 | 690,000 |
| Arenac | 2,900 | 12,340 | 35,800 | 3,200 | 12,470 | 39,900 |
| Bay | 1,400 | 13,860 | 19,400 | 1,500 | 13,870 | 20,800 |
| Huron | 19,500 | 14,100 | 275,000 | 19,700 | 14,210 | 280,000 |
| Saginaw | 4,600 | 13,650 | 62,800 | 4,700 | 13,680 | 64,300 |
| Sanilac | 30,500 | 14,920 | 455,000 | 31,300 | 14,950 | 468,000 |
| Tuscola | 7,600 | 13,160 | 100,000 | 7,600 | 13,420 | 102,000 |
| EAST CENTRAL (6) | 66,500 | 14,256 | 948,000 | 68,000 | 14,338 | 975,000 |
| Allegan | 16,000 | 13,190 | 211,000 | 16,700 | 13,200 | 220,500 |
| Berrien | 2,200 | 12,910 | 28,400 | 2,100 | 13,190 | 27,700 |
| Cass | 2,500 | 11,840 | 29,600 | 2,600 | 11,960 | 31,100 |
| Kalamazoo | 3,700 | 13,240 | 49,000 | 3,600 | 13,670 | 49,200 |
| Kent | 13,600 | 13,970 | 190,000 | 14,200 | 14,050 | 199,500 |
| Ottawa | 14,700 | 13,840 | 203,500 | 15,000 | 13,900 | 208,500 |
| Van Buren | 2,300 | 11,960 | 27,500 | 2,300 | 12,390 | 28,500 |
| SOUTHWEST (7) | 55,000 | 13,436 | 739,000 | 56,500 | 13,540 | 765,000 |
| Barry | 9,500 | 13,400 | 127,300 | 9,800 | 13,440 | 131,700 |
| Branch | 5,200 | 12,880 | 67,000 | 5,500 | 12,980 | 71,400 |
| Calhoun | 7,300 | 13,490 | 98,500 | 7,500 | 13,530 | 101,500 |
| Clinton | 15,500 | 13,900 | 215,500 | 15,800 | 13,990 | 221,000 |
| Eaton | 5,800 | 12,330 | 71,500 | 6,000 | 12,330 | 74,000 |
| Hillsdale | 9,700 | 13,610 | 132,000 | 10,000 | 13,660 | 136,600 |
| Ingham | 10,000 | 13,600 | 136,000 | 10,200 | 13,670 | 139,400 |
| Ionia | 13,600 | 12,900 | 175,500 | 13,500 | 12,990 | 175,400 |
| Jackson | 8,000 | 12,630 | 101,000 | 8,200 | 12,830 | 105,200 |
| St. Joseph | 4,000 | 12,930 | 51,700 | 4,300 | 13,140 | 56,500 |
| Shiawassee | 8,400 | 12,860 | 108,000 | 8,700 | 12,910 | 112,300 |
| SOUTH CENTRAL (8) | 97,000 | 13,237 | 1,284,000 | 99,500 | 13,317 | 1,325,000 |
| Genesee | 4,200 | 13,980 | 58,700 | 4,500 | 14,200 | 63,900 |
| Lapeer | 10,500 | 14,100 | 148,000 | 11,000 | 14,140 | 155,500 |
| Lenawee | 8,000 | 13,940 | 111,500 | 8,300 | 14,000 | 116,200 |
| Livingston | 7,200 | 13,060 | 94,000 | 7,500 | 13,150 | 98,600 |
| Macomb | 2,900 | 13,340 | 38,700 | 3,000 | 13,400 | 40,200 |
| Monroe | 1,200 | 13,750 | 16,500 | 1,300 | 13,850 | 18,000 |
| Oakland | 1,200 | 13,250 | 15,900 | 1,200 | 13,500 | 16,200 |
| St. Clair | 6,200 | 12,470 | 77,300 | 6,200 | 12,500 | 77,500 |
| Washtenaw | 8,000 | 13,250 | 106,000 | 8,300 | 13,370 | 111,000 |
| Wayne | 100 | 14,000 | 1,400 | 200 | 14,500 | 2,900 |
| SOUTHEAST (9) | 49,500 | 13,495 | 668,000 | 51,500 | 13,592 | 700,000 |
| STATE | 394,000 | 13,579 | 5,350,000 | 404,000 | 13,683 | 5,528,000 |

## CORN: Acreage, Yield, Production, 1984

| DISTRICT AND COUNTY | Planted All Purposes | Grain | | | Silage | | |
|---|---|---|---|---|---|---|---|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | *Acres* | *Acres* | *Bushels* | | *Acres* | *Tons* | |
| Alger | 550 | 200 | 80.0 | 16,000 | 330 | 10.3 | 3,400 |
| Baraga | — | — | — | — | — | — | — |
| Chippewa | 600 | 480 | 74.0 | 35,500 | 100 | 12.0 | 1,200 |
| Delta | 2,400 | 570 | 77.9 | 44,400 | 1,700 | 11.8 | 20,000 |
| Dickinson | 1,600 | 460 | 78.0 | 35,900 | 1,100 | 10.3 | 11,300 |
| Gogebic | — | — | — | — | — | — | — |
| Houghton | — | — | — | — | — | — | — |
| Iron | — | — | — | — | — | — | — |
| Keweenaw | — | — | — | — | — | — | — |
| Luce | — | — | — | — | — | — | — |
| Mackinac | 900 | 110 | 71.8 | 7,900 | 760 | 12.2 | 9,300 |
| Marquette | — | — | — | — | — | — | — |
| Menominee | 12,500 | 6,530 | 90.0 | 588,000 | 5,800 | 11.2 | 65,000 |
| Ontonagon | — | — | — | — | — | — | — |
| Schoolcraft | — | — | — | — | — | — | — |
| UPPER PENINSULA (1) | 20,000 | 8,800 | 86.4 | 760,000 | 10,700 | 11.2 | 120,000 |
| Antrim | 6,500 | 3,380 | 96.2 | 325,000 | 3,000 | 12.3 | 37,000 |
| Benzie | 1,600 | 390 | 70.3 | 27,400 | 1,100 | 11.3 | 12,400 |
| Charlevoix | 4,400 | 2,110 | 91.9 | 194,000 | 2,100 | 12.7 | 26,600 |
| Emmet | 2,900 | 720 | 80.0 | 57,600 | 2,000 | 13.6 | 27,100 |
| Grand Traverse | 9,700 | 6,560 | 74.1 | 486,000 | 3,000 | 10.1 | 30,200 |
| Kalkaska | 2,500 | 1,550 | 81.9 | 127,000 | 800 | 11.1 | 8,900 |
| Leelanau | 5,800 | 3,460 | 91.9 | 318,000 | 2,300 | 11.3 | 26,000 |
| Manistee | 3,000 | 1,650 | 67.3 | 111,000 | 1,300 | 9.0 | 11,700 |
| Missaukee | 13,500 | 4,330 | 78.1 | 338,000 | 9,000 | 10.8 | 97,300 |
| Wexford | 5,100 | 3,950 | 82.0 | 324,000 | 1,000 | 9.8 | 9,800 |
| NORTHWEST (2) | 55,000 | 28,100 | 82.1 | 2,308,000 | 25,600 | 11.2 | 287,000 |
| Alcona | 2,700 | 1,870 | 84.0 | 157,000 | 700 | 12.3 | 8,600 |
| Alpena | 6,600 | 3,950 | 86.1 | 340,000 | 2,400 | 10.8 | 25,900 |
| Cheboygan | 2,200 | 800 | 86.3 | 69,000 | 1,200 | 13.4 | 16,100 |
| Crawford | — | — | — | — | — | — | — |
| Iosco | 9,900 | 6,650 | 94.7 | 630,000 | 3,000 | 11.0 | 33,000 |
| Montmorency | 2,500 | 1,600 | 68.8 | 110,000 | 800 | 10.3 | 8,200 |
| Ogemaw | 10,800 | 4,350 | 74.0 | 322,000 | 6,100 | 8.9 | 54,000 |
| Oscoda | 1,850 | 960 | 68.8 | 66,000 | 780 | 12.3 | 9,600 |
| Otsego | 2,400 | 1,240 | 88.7 | 110,000 | 1,000 | 10.5 | 10,500 |
| Presque Isle | 4,000 | 1,350 | 94.1 | 127,000 | 2,500 | 12.4 | 30,900 |
| Roscommon | — | — | — | — | — | — | — |
| NORTHEAST (3) | 43,000 | 22,800 | 84.8 | 1,933,000 | 18,500 | 10.6 | 197,000 |
| Lake | 1,500 | 860 | 60.5 | 52,000 | 600 | 8.2 | 4,900 |
| Mason | 14,000 | 11,750 | 80.0 | 940,000 | 2,100 | 9.2 | 19,400 |
| Muskegon | 23,000 | 17,000 | 83.2 | 1,415,000 | 5,700 | 11.0 | 62,700 |
| Newaygo | 28,500 | 23,340 | 76.0 | 1,775,000 | 4,800 | 12.9 | 62,000 |
| Oceana | 15,000 | 11,350 | 60.8 | 690,000 | 3,500 | 9.1 | 32,000 |
| WEST CENTRAL (4) | 82,000 | 64,300 | 75.8 | 4,872,000 | 16,700 | 10.8 | 181,000 |
| Clare | 10,000 | 5,450 | 55.0 | 300,000 | 4,400 | 7.2 | 31,700 |
| Gladwin | 13,000 | 10,850 | 63.7 | 691,000 | 2,000 | 6.8 | 13,500 |
| Gratiot | 88,000 | 79,900 | 103.8 | 8,297,000 | 7,600 | 13.4 | 102,000 |

## CORN: Acreage, Yield, Production, 1984

| DISTRICT AND COUNTY | Planted All Purposes | Grain | | | Silage | | |
|---|---|---|---|---|---|---|---|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | *Acres* | *Acres* | | *Bushels* | *Acres* | | *Tons* |
| Isabella | 56,000 | 39,150 | 56.9 | 2,227,000 | 16,500 | 8.0 | 132,000 |
| Mecosta | 19,000 | 14,350 | 57.8 | 830,000 | 4,500 | 9.9 | 44,600 |
| Midland | 25,000 | 22,250 | 84.3 | 1,875,000 | 2,600 | 6.7 | 17,400 |
| Montcalm | 64,000 | 58,600 | 83.3 | 4,882,000 | 5,000 | 10.2 | 51,200 |
| Osceola | 10,000 | 5,350 | 72.5 | 388,000 | 4,500 | 8.1 | 36,600 |
| CENTRAL (5) | 285,000 | 235,900 | 82.6 | 19,490,000 | 47,100 | 9.1 | 429,000 |
| Arenac | 20,000 | 16,700 | 72.8 | 1,216,000 | 3,000 | 10.3 | 30,900 |
| Bay | 55,000 | 53,300 | 85.3 | 4,545,000 | 1,400 | 9.2 | 12,900 |
| Huron | 160,000 | 126,700 | 106.0 | 13,426,000 | 32,000 | 11.3 | 360,000 |
| Saginaw | 77,000 | 71,900 | 102.0 | 7,331,000 | 4,600 | 14.2 | 65,100 |
| Sanilac | 130,000 | 94,900 | 103.9 | 9,864,000 | 34,000 | 13.2 | 449,000 |
| Tuscola | 118,000 | 110,500 | 111.7 | 12,345,000 | 6,500 | 12.8 | 83,000 |
| EAST CENTRAL (6) | 560,000 | 474,000 | 102.8 | 48,727,000 | 81,500 | 12.3 | 1,000,900 |
| Allegan | 96,000 | 79,400 | 73.5 | 5,836,000 | 15,500 | 10.5 | 162,000 |
| Berrien | 49,000 | 47,500 | 78.4 | 3,724,000 | 1,000 | 9.3 | 9,300 |
| Cass | 84,000 | 81,700 | 93.1 | 7,610,000 | 1,500 | 13.3 | 19,900 |
| Kalamazoo | 66,000 | 60,700 | 63.7 | 3,867,000 | 4,500 | 9.4 | 42,300 |
| Kent | 64,000 | 52,600 | 78.4 | 4,126,000 | 10,500 | 11.5 | 121,000 |
| Ottawa | 64,000 | 51,200 | 72.7 | 3,724,000 | 12,000 | 12.3 | 147,000 |
| Van Buren | 52,000 | 49,900 | 58.9 | 2,940,000 | 1,400 | 9.0 | 12,600 |
| SOUTHWEST (7) | 475,000 | 423,000 | 75.2 | 31,827,000 | 46,400 | 11.1 | 514,100 |
| Barry | 52,000 | 45,300 | 78.5 | 3,558,000 | 6,200 | 10.1 | 62,500 |
| Branch | 110,000 | 104,300 | 101.9 | 10,633,000 | 4,800 | 9.8 | 46,900 |
| Calhoun | 103,000 | 94,600 | 62.7 | 5,933,000 | 7,600 | 10.5 | 79,800 |
| Clinton | 77,000 | 64,350 | 84.3 | 5,424,000 | 12,000 | 13.8 | 166,000 |
| Eaton | 82,000 | 75,850 | 68.6 | 5,204,000 | 5,500 | 12.1 | 66,800 |
| Hillsdale | 114,000 | 102,950 | 75.5 | 7,769,000 | 10,000 | 10.4 | 104,000 |
| Ingham | 81,000 | 69,100 | 61.6 | 4,259,000 | 11,000 | 8.6 | 95,100 |
| Ionia | 83,000 | 72,900 | 78.4 | 5,716,000 | 9,500 | 11.3 | 107,000 |
| Jackson | 92,000 | 81,900 | 61.5 | 5,033,000 | 9,500 | 9.0 | 85,100 |
| St. Joseph | 113,000 | 108,900 | 90.4 | 9,849,000 | 3,500 | 13.4 | 46,800 |
| Shiawassee | 58,000 | 49,350 | 74.5 | 3,675,000 | 8,000 | 8.8 | 70,000 |
| SOUTH CENTRAL (8) | 965,000 | 869,500 | 77.1 | 67,053,000 | 87,600 | 10.6 | 930,000 |
| Genesee | 55,000 | 46,100 | 91.4 | 4,214,000 | 8,400 | 11.5 | 96,900 |
| Lapeer | 68,000 | 54,350 | 101.9 | 5,539,000 | 13,000 | 11.2 | 145,000 |
| Lenawee | 135,000 | 121,500 | 95.2 | 11,564,000 | 12,500 | 13.7 | 171,000 |
| Livingston | 48,000 | 39,750 | 61.0 | 2,426,000 | 7,500 | 9.6 | 71,800 |
| Macomb | 21,000 | 17,540 | 86.3 | 1,513,000 | 3,000 | 12.4 | 37,300 |
| Monroe | 82,000 | 78,400 | 103.9 | 8,144,000 | 3,000 | 13.5 | 40,600 |
| Oakland | 18,000 | 15,930 | 58.0 | 924,000 | 1,700 | 8.2 | 14,000 |
| St. Clair | 45,000 | 36,500 | 94.1 | 3,434,000 | 8,000 | 10.9 | 87,300 |
| Washtenaw | 86,000 | 76,900 | 61.8 | 4,754,000 | 8,500 | 8.8 | 74,400 |
| Wayne | 7,000 | 6,630 | 90.2 | 598,000 | 300 | 9.0 | 2,700 |
| SOUTHEAST (9) | 565,000 | 493,600 | 87.3 | 43,110,000 | 65,900 | 11.2 | 741,000 |
| STATE | 3,050,000 | 2,620,000 | 84.0 | 220,080,000 | 400,000 | 11.0 | 4,400,000 |

## CORN: Acreage, Yield, Production, 1983

| DISTRICT AND COUNTY | Planted All Purposes | Grain | | | Silage | | |
|---|---|---|---|---|---|---|---|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | *Acres* | *Acres* | | *Bushels* | *Acres* | | *Tons* |
| Alger | 450 | 100 | 74.0 | 7,400 | 340 | 10.0 | 3,400 |
| Baraga | — | — | — | — | — | — | — |
| Chippewa | 580 | 480 | 78.8 | 37,800 | 100 | 10.0 | 1,000 |
| Delta | 2,700 | 750 | 75.6 | 56,700 | 1,800 | 10.0 | 18,000 |
| Dickinson | 1,500 | 550 | 81.5 | 44,800 | 900 | 10.0 | 9,000 |
| Gogebic | — | — | — | — | — | — | — |
| Houghton | — | — | — | — | — | — | — |
| Iron | — | — | — | — | — | — | — |
| Keweenaw | — | — | — | — | — | — | — |
| Luce | — | — | — | — | — | — | — |
| Mackinac | 900 | 20 | 70.0 | 1,400 | 850 | 10.0 | 8,500 |
| Marquette | — | — | — | — | — | — | — |
| Menominee | 12,700 | 5,000 | 80.8 | 404,000 | 7,500 | 11.0 | 82,400 |
| Ontonagon | — | — | — | — | — | — | — |
| Schoolcraft | — | — | — | — | — | — | — |
| UPPER PENINSULA (1) | 20,400 | 7,270 | 79.8 | 580,000 | 12,600 | 10.6 | 134,000 |
| Antrim | 6,800 | 3,660 | 72.7 | 266,000 | 3,000 | 11.0 | 33,000 |
| Benzie | 1,400 | 490 | 76.5 | 37,500 | 850 | 11.5 | 9,800 |
| Charlevoix | 5,400 | 3,100 | 75.5 | 234,000 | 2,100 | 11.4 | 24,000 |
| Emmet | 3,100 | 1,200 | 80.4 | 96,500 | 1,800 | 10.6 | 19,000 |
| Grand Traverse | 6,700 | 4,640 | 72.4 | 336,000 | 2,000 | 10.5 | 21,000 |
| Kalkaska | 2,000 | 1,470 | 81.6 | 120,000 | 450 | 10.4 | 4,700 |
| Leelanau | 4,900 | 3,120 | 80.4 | 251,000 | 1,750 | 10.3 | 18,000 |
| Manistee | 3,100 | 2,320 | 80.6 | 187,000 | 750 | 10.0 | 7,500 |
| Missaukee | 13,900 | 4,800 | 80.4 | 386,000 | 9,000 | 10.0 | 90,000 |
| Wexford | 4,200 | 2,700 | 75.6 | 204,000 | 1,500 | 10.0 | 15,000 |
| NORTHWEST (2) | 51,500 | 27,500 | 77.0 | 2,118,000 | 23,200 | 10.4 | 242,000 |
| Alcona | 1,660 | 360 | 82.2 | 29,600 | 1,100 | 10.0 | 11,000 |
| Alpena | 3,800 | 800 | 79.6 | 63,700 | 2,900 | 10.3 | 30,000 |
| Cheboygan | 2,400 | 850 | 76.5 | 65,000 | 1,500 | 10.7 | 16,000 |
| Crawford | — | — | — | — | — | — | — |
| Iosco | 7,000 | 4,000 | 78.0 | 312,000 | 2,880 | 12.8 | 37,000 |
| Montmorency | 2,000 | 860 | 77.6 | 66,700 | 1,100 | 10.0 | 11,000 |
| Ogemaw | 8,200 | 2,490 | 81.5 | 203,000 | 5,600 | 11.1 | 62,000 |
| Oscoda | 1,800 | 530 | 80.8 | 42,800 | 1,200 | 10.7 | 12,800 |
| Otsego | 2,600 | 1,130 | 74.0 | 83,600 | 1,400 | 10.0 | 14,000 |
| Presque Isle | 4,000 | 1,340 | 74.6 | 100,000 | 2,600 | 10.8 | 28,000 |
| Roscommon | — | — | — | — | — | — | — |
| NORTHEAST (3) | 33,500 | 12,380 | 78.2 | 968,000 | 20,300 | 10.9 | 222,000 |
| Lake | 1,100 | 400 | 77.5 | 31,000 | 600 | 10.2 | 6,100 |
| Mason | 10,500 | 7,500 | 84.7 | 635,000 | 2,900 | 11.0 | 31,900 |
| Muskegon | 20,500 | 15,100 | 91.5 | 1,382,000 | 5,300 | 11.3 | 60,000 |
| Newaygo | 27,500 | 21,800 | 87.5 | 1,908,000 | 5,500 | 11.8 | 65,000 |
| Oceana | 15,000 | 11,000 | 77.5 | 853,000 | 3,900 | 11.0 | 43,000 |
| WEST CENTRAL (4) | 74,600 | 55,800 | 86.2 | 4,809,000 | 18,200 | 11.3 | 206,000 |
| Clare | 9,100 | 4,700 | 74.5 | 350,000 | 4,300 | 10.0 | 43,000 |
| Gladwin | 9,300 | 6,400 | 80.6 | 516,000 | 2,800 | 10.4 | 29,000 |
| Gratiot | 58,000 | 49,300 | 88.4 | 4,360,000 | 8,300 | 15.8 | 131,000 |

## CORN: Acreage, Yield, Production, 1983

| DISTRICT AND COUNTY | Planted All Purposes | Grain | | | Silage | | |
|---|---|---|---|---|---|---|---|
| | | Harvested | Yield | Production | Harvested | Yield | Production |
| | *Acres* | *Acres* | *Bushels* | | *Acres* | *Tons* | |
| Isabella | 46,000 | 31,700 | 85.6 | 2,714,000 | 14,000 | 13.4 | 187,000 |
| Mecosta | 14,000 | 10,100 | 79.1 | 799,000 | 3,800 | 12.1 | 46,000 |
| Midland | 18,600 | 16,300 | 89.8 | 1,463,000 | 2,200 | 11.8 | 26,000 |
| Montcalm | 50,600 | 44,800 | 81.0 | 3,629,000 | 5,500 | 12.5 | 69,000 |
| Osceola | 7,400 | 1,400 | 75.0 | 105,000 | 5,900 | 10.7 | 63,000 |
| CENTRAL (5) | 213,000 | 164,700 | 84.6 | 13,936,000 | 46,800 | 12.7 | 594,000 |
| Arenac | 13,000 | 9,900 | 96.3 | 953,000 | 2,900 | 12.1 | 35,000 |
| Bay | 37,000 | 35,600 | 106.2 | 3,781,000 | 1,200 | 13.3 | 16,000 |
| Huron | 113,000 | 82,960 | 102.3 | 8,484,000 | 29,000 | 15.5 | 450,000 |
| Saginaw | 53,000 | 48,600 | 97.6 | 4,743,000 | 4,000 | 16.0 | 64,000 |
| Sanilac | 95,000 | 64,190 | 108.8 | 6,985,000 | 30,000 | 14.7 | 440,000 |
| Tuscola | 92,000 | 84,500 | 111.1 | 9,387,000 | 6,800 | 14.0 | 95,000 |
| EAST CENTRAL (6) | 403,000 | 325,750 | 105.4 | 34,333,000 | 73,900 | 14.9 | 1,100,000 |
| Allegan | 83,000 | 67,700 | 91.8 | 6,217,000 | 14,500 | 11.9 | 173,000 |
| Berrien | 37,000 | 35,300 | 66.7 | 2,353,000 | 1,300 | 10.8 | 14,000 |
| Cass | 69,000 | 66,700 | 71.4 | 4,765,000 | 1,700 | 11.8 | 20,000 |
| Kalamazoo | 43,000 | 38,500 | 95.6 | 3,681,000 | 3,900 | 13.1 | 51,000 |
| Kent | 43,000 | 32,600 | 88.5 | 2,886,000 | 9,800 | 12.6 | 123,000 |
| Ottawa | 54,000 | 41,900 | 90.0 | 3,772,000 | 11,500 | 12.8 | 147,000 |
| Van Buren | 39,000 | 37,100 | 64.4 | 2,388,000 | 1,400 | 13.6 | 19,000 |
| SOUTHWEST (7) | 368,000 | 319,800 | 81.5 | 26,062,000 | 44,100 | 12.4 | 547,000 |
| Barry | 37,000 | 30,300 | 88.5 | 2,683,000 | 6,400 | 14.1 | 90,000 |
| Branch | 69,000 | 63,300 | 94.6 | 5,989,000 | 5,100 | 13.9 | 71,000 |
| Calhoun | 67,000 | 60,000 | 94.6 | 5,677,000 | 6,500 | 14.3 | 93,000 |
| Clinton | 50,000 | 38,600 | 84.8 | 3,272,000 | 11,000 | 14.6 | 161,000 |
| Eaton | 53,000 | 47,100 | 91.2 | 4,297,000 | 5,500 | 13.5 | 74,000 |
| Hillsdale | 72,000 | 62,800 | 94.0 | 5,904,000 | 8,600 | 14.8 | 127,000 |
| Ingham | 60,000 | 49,900 | 84.6 | 4,220,000 | 9,500 | 12.9 | 123,000 |
| Ionia | 56,000 | 46,300 | 89.1 | 4,127,000 | 9,300 | 13.0 | 121,000 |
| Jackson | 69,000 | 59,000 | 89.4 | 5,277,000 | 9,600 | 13.5 | 130,000 |
| St. Joseph | 66,000 | 62,600 | 91.0 | 5,698,000 | 3,000 | 13.7 | 41,000 |
| Shiawassee | 42,000 | 35,100 | 84.6 | 2,968,000 | 6,500 | 14.0 | 91,000 |
| SOUTH CENTRAL (8) | 641,000 | 555,000 | 90.3 | 50,112,000 | 81,000 | 13.9 | 1,122,000 |
| Genesee | 37,000 | 30,300 | 97.4 | 2,951,000 | 6,400 | 13.0 | 83,000 |
| Lapeer | 48,000 | 34,100 | 93.5 | 3,189,000 | 13,500 | 12.4 | 168,000 |
| Lenawee | 92,000 | 82,000 | 109.0 | 8,942,000 | 9,500 | 15.2 | 144,000 |
| Livingston | 33,000 | 25,600 | 84.3 | 2,159,000 | 6,900 | 13.0 | 90,000 |
| Macomb | 14,000 | 10,200 | 92.5 | 944,000 | 3,600 | 11.4 | 41,000 |
| Monroe | 60,000 | 56,300 | 107.4 | 6,044,000 | 3,300 | 14.8 | 49,000 |
| Oakland | 13,000 | 11,800 | 96.6 | 1,140,000 | 1,000 | 10.0 | 10,000 |
| St. Clair | 32,000 | 24,200 | 89.5 | 2,167,000 | 7,500 | 12.0 | 90,000 |
| Washtenaw | 59,000 | 50,700 | 89.2 | 4,524,000 | 7,900 | 12.0 | 95,000 |
| Wayne | 7,000 | 6,600 | 94.2 | 622,000 | 300 | 10.0 | 3,000 |
| SOUTHEAST (9) | 395,000 | 331,800 | 98.5 | 32,682,000 | 59,900 | 12.9 | 773,000 |
| STATE | 2,200,000 | 1,800,000 | 92.0 | 165,600,000 | 380,000 | 13.0 | 4,940,000 |

## WHEAT: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Alger | — | — | — | — | — | — | — | — |
| Baraga | — | — | — | — | — | — | — | — |
| Chippewa | 620 | 570 | 34.6 | 19,700 | 500 | 470 | 32.8 | 15,400 |
| Delta | 320 | 300 | 39.0 | 11,700 | 250 | 230 | 34.8 | 8,000 |
| Dickinson | — | — | — | — | — | — | — | — |
| Gogebic | — | — | — | — | — | — | — | — |
| Houghton | — | — | — | — | — | — | — | — |
| Iron | 160 | 130 | 34.6 | 4,500 | 130 | 120 | 34.2 | 4,100 |
| Keweenaw | — | — | — | — | — | — | — | — |
| Luce | — | — | — | — | — | — | — | — |
| Mackinac | 230 | 200 | 34.5 | 6,900 | 180 | 170 | 33.5 | 5,700 |
| Marquette | — | — | — | — | — | — | — | — |
| Menominee | 200 | 180 | 34.4 | 6,200 | 150 | 130 | 32.3 | 4,200 |
| Ontonagon | — | — | — | — | — | — | — | — |
| Schoolcraft | — | — | — | — | — | — | — | — |
| UPPER PENINSULA (1) | 1,700 | 1,500 | 35.3 | 53,000 | 1,500 | 1,400 | 33.0 | 46,200 |
| Antrim | 1,450 | 1,300 | 44.6 | 58,000 | 1,450 | 1,350 | 35.0 | 47,300 |
| Benzie | 300 | 270 | 44.4 | 12,000 | 50 | 50 | 28.0 | 1,400 |
| Charlevoix | 250 | 230 | 39.6 | 9,100 | 200 | 170 | 35.9 | 6,100 |
| Emmet | 100 | 80 | 41.3 | 3,300 | 100 | 80 | 32.5 | 2,600 |
| Grand Traverse | 1,800 | 1,600 | 41.6 | 66,600 | 1,500 | 1,400 | 35.0 | 49,000 |
| Kalkaska | 750 | 700 | 39.6 | 27,700 | 700 | 650 | 29.5 | 19,200 |
| Leelanau | 500 | 470 | 39.6 | 18,600 | 350 | 300 | 29.3 | 8,800 |
| Manistee | 500 | 450 | 39.6 | 17,800 | 600 | 550 | 26.9 | 14,800 |
| Missaukee | 900 | 850 | 46.0 | 39,100 | 750 | 700 | 33.1 | 23,200 |
| Wexford | 1,150 | 1,050 | 44.6 | 46,800 | 800 | 750 | 34.7 | 26,000 |
| NORTHWEST (2) | 7,700 | 7,000 | 42.7 | 299,000 | 6,500 | 6,000 | 33.1 | 198,400 |
| Alcona | 1,400 | 1,300 | 44.6 | 58,000 | 1,300 | 1,200 | 36.0 | 43,200 |
| Alpena | 3,200 | 2,900 | 37.6 | 109,000 | 3,300 | 3,000 | 36.0 | 108,000 |
| Cheboygan | 1,400 | 1,300 | 32.7 | 42,500 | 650 | 600 | 34.2 | 20,500 |
| Crawford | — | — | — | — | — | — | — | — |
| Iosco | 2,300 | 2,100 | 58.1 | 122,000 | 2,150 | 2,000 | 44.0 | 88,000 |
| Montmorency | 600 | 550 | 34.5 | 19,000 | 900 | 850 | 35.5 | 30,200 |
| Ogemaw | 1,600 | 1,500 | 51.3 | 77,000 | 1,700 | 1,600 | 37.2 | 59,500 |
| Oscoda | 50 | 50 | 38.0 | 1,900 | 50 | 50 | 32.0 | 1,600 |
| Otsego | 700 | 650 | 32.6 | 21,200 | 700 | 650 | 32.5 | 21,100 |
| Presque Isle | 2,300 | 2,100 | 41.6 | 87,400 | 1,700 | 1,600 | 38.9 | 62,200 |
| Roscommon | 50 | 50 | 40.0 | 2,000 | 50 | 50 | 38.0 | 1,900 |
| NORTHEAST (3) | 13,600 | 12,500 | 43.2 | 540,000 | 12,500 | 11,600 | 37.6 | 436,200 |
| Lake | 300 | 250 | 49.6 | 12,400 | 200 | 150 | 38.0 | 5,700 |
| Mason | 4,300 | 3,900 | 48.5 | 189,000 | 4,600 | 4,100 | 42.9 | 176,000 |
| Muskegon | 2,500 | 2,300 | 57.4 | 132,000 | 2,300 | 1,850 | 44.9 | 83,000 |
| Newaygo | 2,600 | 2,400 | 51.7 | 124,000 | 2,300 | 2,000 | 39.0 | 78,000 |
| Oceana | 2,300 | 2,150 | 47.7 | 102,600 | 2,100 | 1,900 | 39.2 | 74,500 |
| WEST CENTRAL (4) | 12,000 | 11,000 | 50.9 | 560,000 | 11,500 | 10,000 | 41.7 | 417,200 |
| Clare | 2,500 | 2,200 | 42.6 | 93,800 | 2,800 | 2,500 | 39.2 | 98,000 |
| Gladwin | 4,500 | 4,000 | 50.5 | 202,000 | 5,000 | 4,000 | 42.5 | 170,000 |
| Gratiot | 27,000 | 24,000 | 61.5 | 1,476,000 | 23,500 | 19,500 | 49.2 | 959,000 |

## WHEAT: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Isabella | 18,000 | 16,000 | 61.5 | 984,000 | 21,000 | 18,500 | 43.1 | 797,000 |
| Mecosta | 5,000 | 4,500 | 50.4 | 227,000 | 4,400 | 3,500 | 40.6 | 142,000 |
| Midland | 6,300 | 5,800 | 58.4 | 339,000 | 6,600 | 5,600 | 52.7 | 295,000 |
| Montcalm | 25,000 | 22,000 | 55.5 | 1,222,000 | 24,000 | 20,000 | 42.3 | 846,000 |
| Osceola | 1,700 | 1,500 | 43.5 | 65,200 | 1,700 | 1,400 | 45.7 | 64,000 |
| CENTRAL (5) | 90,000 | 80,000 | 57.6 | 4,609,000 | 89,000 | 75,000 | 44.9 | 3,371,000 |
| Arenac | 7,000 | 6,000 | 51.5 | 309,000 | 6,600 | 6,000 | 45.8 | 275,000 |
| Bay | 13,000 | 11,500 | 63.5 | 730,000 | 14,400 | 13,000 | 48.8 | 634,000 |
| Huron | 52,000 | 45,000 | 62.5 | 2,812,000 | 58,500 | 52,000 | 58.5 | 3,042,000 |
| Saginaw | 38,000 | 34,500 | 66.5 | 2,293,000 | 37,000 | 34,000 | 59.2 | 2,014,000 |
| Sanilac | 48,000 | 42,000 | 61.5 | 2,583,000 | 49,000 | 44,000 | 52.0 | 2,288,000 |
| Tuscola | 47,000 | 41,000 | 67.4 | 2,765,000 | 57,000 | 51,000 | 62.5 | 3,188,000 |
| EAST CENTRAL (6) | 205,000 | 180,000 | 63.8 | 11,492,000 | 222,500 | 200,000 | 57.2 | 11,441,000 |
| Allegan | 14,000 | 12,500 | 52.6 | 657,000 | 10,800 | 9,500 | 39.2 | 372,000 |
| Berrien | 13,000 | 11,800 | 47.5 | 561,000 | 8,100 | 7,300 | 37.5 | 274,000 |
| Cass | 13,000 | 11,800 | 44.8 | 529,000 | 8,600 | 7,500 | 42.0 | 315,000 |
| Kalamazoo | 19,000 | 16,000 | 54.5 | 872,000 | 15,700 | 14,000 | 46.4 | 650,000 |
| Kent | 13,000 | 11,600 | 55.5 | 644,000 | 11,000 | 8,500 | 45.9 | 390,000 |
| Ottawa | 8,000 | 7,100 | 50.6 | 359,000 | 7,300 | 6,700 | 44.0 | 295,000 |
| Van Buren | 5,000 | 4,200 | 47.4 | 199,000 | 4,000 | 3,500 | 43.7 | 153,000 |
| SOUTHWEST (7) | 85,000 | 75,000 | 50.9 | 3,821,000 | 65,500 | 57,000 | 43.0 | 2,449,000 |
| Barry | 17,000 | 15,500 | 58.5 | 907,000 | 13,500 | 10,800 | 40.4 | 436,000 |
| Branch | 18,000 | 16,500 | 50.5 | 834,000 | 14,000 | 12,800 | 43.3 | 554,000 |
| Calhoun | 26,000 | 23,500 | 55.5 | 1,305,000 | 22,000 | 20,000 | 44.1 | 882,000 |
| Clinton | 42,000 | 36,500 | 57.5 | 2,100,000 | 32,000 | 27,000 | 49.3 | 1,331,000 |
| Eaton | 36,000 | 31,500 | 59.5 | 1,874,000 | 32,000 | 26,300 | 53.8 | 1,415,000 |
| Hillsdale | 25,000 | 22,500 | 51.6 | 1,160,000 | 19,000 | 17,500 | 45.2 | 791,000 |
| Ingham | 26,000 | 23,500 | 59.5 | 1,398,000 | 21,000 | 19,100 | 50.2 | 959,000 |
| Ionia | 35,000 | 30,500 | 62.5 | 1,906,000 | 30,500 | 26,500 | 49.8 | 1,320,000 |
| Jackson | 16,000 | 14,500 | 53.5 | 776,000 | 14,000 | 13,000 | 43.5 | 566,000 |
| St. Joseph | 15,000 | 13,500 | 50.5 | 682,000 | 13,000 | 10,500 | 44.0 | 462,000 |
| Shiawassee | 34,000 | 30,000 | 60.5 | 1,815,000 | 31,000 | 26,500 | 46.9 | 1,243,000 |
| SOUTH CENTRAL (8) | 290,000 | 258,000 | 57.2 | 14,757,000 | 242,000 | 210,000 | 47.4 | 9,959,000 |
| Genesee | 19,000 | 17,000 | 57.5 | 978,000 | 18,000 | 16,000 | 44.0 | 704,000 |
| Lapeer | 18,000 | 16,000 | 58.5 | 936,000 | 18,500 | 14,500 | 51.8 | 751,000 |
| Lenawee | 53,000 | 48,000 | 58.5 | 2,809,000 | 48,000 | 44,000 | 51.0 | 2,244,000 |
| Livingston | 10,500 | 9,400 | 57.4 | 540,000 | 8,600 | 7,500 | 44.3 | 332,000 |
| Macomb | 7,500 | 6,600 | 40.6 | 268,000 | 6,500 | 6,000 | 43.0 | 258,000 |
| Monroe | 32,000 | 29,000 | 47.6 | 1,380,000 | 33,000 | 30,500 | 47.4 | 1,446,000 |
| Oakland | 4,500 | 4,100 | 52.4 | 215,000 | 3,600 | 3,400 | 47.4 | 161,000 |
| St. Clair | 21,000 | 18,700 | 50.6 | 946,000 | 17,500 | 16,500 | 40.8 | 673,000 |
| Washtenaw | 27,000 | 24,000 | 54.5 | 1,309,000 | 23,000 | 18,500 | 43.0 | 796,000 |
| Wayne | 2,500 | 2,200 | 40.0 | 88,000 | 2,300 | 2,100 | 41.4 | 87,000 |
| SOUTHEAST (9) | 195,000 | 175,000 | 54.1 | 9,469,000 | 179,000 | 159,000 | 46.9 | 7,452,000 |
| STATE | 900,000 | 800,000 | 57.0 | 45,600,000 | 830,000 | 730,000 | 49.0 | 35,770,000 |

## SOYBEANS: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Alger | — | — | — | — | — | — | — | — |
| Baraga | — | — | — | — | — | — | — | — |
| Chippewa | — | — | — | — | — | — | — | — |
| Delta | 270 | 260 | 28.8 | 7,500 | 300 | 290 | 29.0 | 8,400 |
| Dickinson | — | — | — | — | — | — | — | — |
| Gogebic | — | — | — | — | — | — | — | — |
| Houghton | — | — | — | — | — | — | — | — |
| Iron | — | — | — | — | — | — | — | — |
| Keweenaw | — | — | — | — | — | — | — | — |
| Luce | — | — | — | — | — | — | — | — |
| Mackinac | — | — | — | — | — | — | — | — |
| Marquette | — | — | — | — | — | — | — | — |
| Menominee | 80 | 80 | 27.5 | 2,200 | 100 | 100 | 26.0 | 2,600 |
| Ontonagon | — | — | — | — | — | — | — | — |
| Schoolcraft | 60 | 60 | 26.7 | 1,600 | 60 | 60 | 26.7 | 1,600 |
| UPPER PENINSULA (1) | 450 | 440 | 28.2 | 12,400 | 500 | 490 | 28.0 | 13,700 |
| Antrim | — | — | — | — | — | — | — | — |
| Benzie | — | — | — | — | — | — | — | — |
| Charlevoix | — | — | — | — | — | — | — | — |
| Emmet | — | — | — | — | — | — | — | — |
| Grand Traverse | 70 | 70 | 28.6 | 2,000 | 70 | 70 | 28.6 | 2,000 |
| Kalkaska | 100 | 100 | 28.0 | 2,800 | 100 | 100 | 28.0 | 2,800 |
| Leelanau | — | — | — | — | — | — | — | — |
| Manistee | 260 | 250 | 27.6 | 6,900 | 260 | 240 | 28.3 | 6,800 |
| Missaukee | — | — | — | — | — | — | — | — |
| Wexford | 50 | 50 | 28.0 | 1,400 | 50 | 50 | 28.0 | 1,400 |
| NORTHWEST (2) | 550 | 540 | 28.0 | 15,100 | 550 | 530 | 28.3 | 15,000 |
| Alcona | — | — | — | — | — | — | — | — |
| Alpena | 300 | 280 | 30.4 | 8,500 | 300 | 290 | 29.0 | 8,400 |
| Cheboygan | 100 | 100 | 29.0 | 2,900 | 80 | 80 | 27.5 | 2,200 |
| Crawford | — | — | — | — | — | — | — | — |
| Iosco | 700 | 660 | 30.5 | 20,100 | 300 | 290 | 28.3 | 8,200 |
| Montmorency | — | — | — | — | — | — | — | — |
| Ogemaw | 400 | 370 | 29.7 | 11,000 | 350 | 340 | 27.9 | 9,500 |
| Oscoda | — | — | — | — | — | — | — | — |
| Otsego | — | — | — | — | — | — | — | — |
| Presque Isle | 150 | 150 | 29.3 | 4,400 | 180 | 170 | 28.8 | 4,900 |
| Roscommon | — | — | — | — | — | — | — | — |
| NORTHEAST (3) | 1,900 | 1,800 | 30.0 | 54,000 | 1,250 | 1,210 | 28.3 | 34,300 |
| Lake | — | — | — | — | — | — | — | — |
| Mason | 250 | 240 | 29.2 | 7,000 | 300 | 290 | 26.2 | 7,600 |
| Muskegon | 650 | 610 | 28.2 | 17,200 | 450 | 440 | 29.5 | 13,000 |
| Newaygo | 290 | 270 | 27.4 | 7,400 | 200 | 190 | 26.3 | 5,000 |
| Oceana | 100 | 90 | 28.9 | 2,600 | 50 | 50 | 28.0 | 1,400 |
| WEST CENTRAL (4) | 1,300 | 1,220 | 28.3 | 34,500 | 1,000 | 970 | 27.8 | 27,000 |
| Clare | 700 | 670 | 26.4 | 17,700 | 300 | 280 | 32.1 | 9,000 |
| Gladwin | 2,200 | 2,150 | 26.3 | 56,500 | 1,600 | 1,540 | 31.8 | 49,000 |
| Gratiot | 72,000 | 71,300 | 32.4 | 2,310,000 | 63,500 | 62,800 | 33.6 | 2,110,000 |

## SOYBEANS: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Isabella | 16,500 | 16,300 | 24.4 | 397,000 | 14,000 | 13,900 | 28.8 | 400,000 |
| Mecosta | 200 | 190 | 25.3 | 4,800 | 200 | 190 | 34.2 | 6,500 |
| Midland | 18,000 | 17,800 | 27.6 | 492,000 | 18,500 | 18,400 | 31.0 | 570,000 |
| Montcalm | 9,500 | 9,400 | 26.0 | 244,000 | 7,000 | 6,900 | 31.9 | 220,000 |
| Osceola | 200 | 190 | 26.3 | 5,000 | 200 | 190 | 28.9 | 5,500 |
| CENTRAL (5) | 119,300 | 118,000 | 29.9 | 3,527,000 | 105,300 | 104,200 | 32.3 | 3,370,000 |
| Arenac | 11,000 | 10,900 | 26.6 | 290,000 | 7,000 | 6,850 | 32.0 | 219,000 |
| Bay | 24,000 | 23,800 | 27.5 | 655,000 | 21,000 | 20,800 | 35.0 | 728,000 |
| Huron | 10,000 | 9,900 | 28.6 | 283,000 | 6,000 | 5,850 | 30.8 | 180,000 |
| Saginaw | 126,000 | 125,000 | 30.7 | 3,840,000 | 122,000 | 121,000 | 34.7 | 4,200,000 |
| Sanilac | 43,000 | 42,600 | 26.3 | 1,119,000 | 37,000 | 36,700 | 32.7 | 1,200,000 |
| Tuscola | 26,000 | 25,800 | 28.2 | 728,000 | 25,000 | 24,800 | 34.3 | 850,000 |
| EAST CENTRAL (6) | 240,000 | 238,000 | 29.1 | 6,915,000 | 218,000 | 216,000 | 34.2 | 7,377,000 |
| Allegan | 8,000 | 7,900 | 23.8 | 188,000 | 6,500 | 6,360 | 28.5 | 181,000 |
| Berrien | 29,000 | 28,700 | 21.2 | 609,000 | 25,000 | 24,800 | 25.0 | 620,000 |
| Cass | 29,000 | 28,700 | 22.4 | 642,000 | 25,000 | 24,800 | 23.3 | 577,000 |
| Kalamazoo | 28,500 | 28,100 | 20.0 | 562,000 | 21,000 | 20,800 | 26.0 | 540,000 |
| Kent | 3,500 | 3,450 | 25.8 | 89,000 | 2,500 | 2,450 | 29.0 | 71,000 |
| Ottawa | 1,500 | 1,450 | 28.3 | 41,000 | 900 | 890 | 24.7 | 22,000 |
| Van Buren | 15,000 | 14,700 | 20.4 | 300,000 | 10,500 | 10,400 | 27.5 | 286,000 |
| SOUTHWEST (7) | 114,500 | 113,000 | 21.5 | 2,431,000 | 91,400 | 90,500 | 25.4 | 2,297,000 |
| Barry | 12,000 | 11,900 | 23.4 | 278,000 | 9,000 | 8,900 | 30.6 | 272,000 |
| Branch | 47,000 | 46,700 | 25.5 | 1,191,000 | 35,000 | 34,700 | 34.5 | 1,198,000 |
| Calhoun | 27,000 | 26,900 | 21.0 | 565,000 | 22,000 | 21,800 | 28.0 | 610,000 |
| Clinton | 61,000 | 60,500 | 27.2 | 1,648,000 | 50,000 | 49,600 | 32.5 | 1,612,000 |
| Eaton | 29,000 | 28,800 | 20.5 | 590,000 | 26,000 | 25,800 | 33.3 | 860,000 |
| Hillsdale | 38,500 | 38,200 | 26.2 | 1,000,000 | 34,200 | 33,900 | 31.0 | 1,050,000 |
| Ingham | 26,500 | 26,400 | 21.5 | 568,000 | 20,000 | 19,800 | 31.8 | 630,000 |
| Ionia | 26,000 | 25,900 | 27.0 | 699,000 | 20,000 | 19,800 | 34.3 | 680,000 |
| Jackson | 8,000 | 7,900 | 20.5 | 162,000 | 5,800 | 5,700 | 29.8 | 170,000 |
| St. Joseph | 37,000 | 36,800 | 21.5 | 791,000 | 32,000 | 31,700 | 28.5 | 903,000 |
| Shiawassee | 64,000 | 63,500 | 25.5 | 1,619,000 | 65,000 | 64,500 | 32.7 | 2,110,000 |
| SOUTH CENTRAL (8) | 376,000 | 373,500 | 24.4 | 9,111,000 | 319,000 | 316,200 | 31.9 | 10,095,000 |
| Genesee | 32,000 | 31,800 | 24.8 | 789,000 | 29,300 | 29,000 | 32.8 | 950,000 |
| Lapeer | 10,000 | 9,900 | 26.3 | 260,000 | 8,500 | 8,400 | 32.1 | 270,000 |
| Lenawee | 102,000 | 101,400 | 33.5 | 3,400,000 | 98,000 | 97,000 | 37.3 | 3,618,000 |
| Livingston | 6,000 | 5,900 | 22.9 | 135,000 | 4,500 | 4,420 | 33.9 | 150,000 |
| Macomb | 25,000 | 24,800 | 26.3 | 652,000 | 19,000 | 18,800 | 31.0 | 583,000 |
| Monroe | 92,000 | 91,500 | 31.7 | 2,903,000 | 88,000 | 87,200 | 35.3 | 3,078,000 |
| Oakland | 1,200 | 1,100 | 24.5 | 27,000 | 700 | 680 | 32.4 | 22,000 |
| St. Clair | 45,000 | 44,700 | 25.7 | 1,148,000 | 38,000 | 37,700 | 29.4 | 1,110,000 |
| Washtenaw | 22,000 | 21,700 | 21.5 | 466,000 | 18,000 | 17,800 | 30.3 | 540,000 |
| Wayne | 10,800 | 10,700 | 23.4 | 250,000 | 9,000 | 8,900 | 28.1 | 250,000 |
| SOUTHEAST (9) | 346,000 | 343,500 | 29.2 | 10,030,000 | 313,000 | 309,900 | 34.1 | 10,571,000 |
| STATE | 1,200,000 | 1,190,000 | 27.0 | 32,130,000 | 1,050,000 | 1,040,000 | 32.5 | 33,800,000 |

## OATS: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Alger | 300 | 270 | 33.3 | 9,000 | 400 | 300 | 36.7 | 11,000 |
| Baraga | 500 | 460 | 30.4 | 14,000 | 600 | 500 | 38.0 | 19,000 |
| Chippewa | 4,500 | 4,100 | 38.8 | 159,000 | 6,000 | 5,200 | 38.5 | 200,000 |
| Delta | 3,500 | 3,300 | 57.6 | 190,000 | 4,000 | 3,500 | 43.4 | 152,000 |
| Dickinson | 900 | 850 | 49.4 | 42,000 | 1,100 | 1,000 | 40.0 | 40,000 |
| Gogebic | 200 | 180 | 44.4 | 8,000 | 200 | 150 | 40.0 | 6,000 |
| Houghton | 1,600 | 1,500 | 43.3 | 65,000 | 1,600 | 1,500 | 38.0 | 57,000 |
| Iron | 900 | 840 | 50.0 | 42,000 | 1,200 | 1,000 | 40.0 | 40,000 |
| Keweenaw | — | — | — | — | — | — | — | — |
| Luce | 300 | 270 | 40.7 | 11,000 | 300 | 250 | 40.0 | 10,000 |
| Mackinac | 1,100 | 1,030 | 43.7 | 45,000 | 1,200 | 1,100 | 40.0 | 44,000 |
| Marquette | 700 | 650 | 40.0 | 26,000 | 700 | 600 | 38.3 | 23,000 |
| Menominee | 4,600 | 4,300 | 51.9 | 223,000 | 5,600 | 5,000 | 38.8 | 194,000 |
| Ontonagon | 1,300 | 1,200 | 35.0 | 42,000 | 1,300 | 1,200 | 35.0 | 42,000 |
| Schoolcraft | 600 | 550 | 36.4 | 20,000 | 800 | 700 | 35.7 | 25,000 |
| UPPER PENINSULA (1) | 21,000 | 19,500 | 45.9 | 896,000 | 25,000 | 22,000 | 39.2 | 863,000 |
| Antrim | 1,400 | 1,350 | 61.5 | 83,000 | 1,300 | 1,000 | 28.4 | 28,400 |
| Benzie | 100 | 90 | 44.4 | 4,000 | 100 | 70 | 28.6 | 2,000 |
| Charlevoix | 900 | 870 | 40.2 | 35,000 | 1,000 | 800 | 35.0 | 28,000 |
| Emmet | 1,400 | 1,350 | 49.6 | 67,000 | 1,500 | 1,200 | 27.5 | 33,000 |
| Grand Traverse | 1,200 | 1,160 | 56.0 | 65,000 | 1,300 | 1,100 | 34.5 | 38,000 |
| Kalkaska | 200 | 190 | 42.1 | 8,000 | 300 | 250 | 26.7 | 6,600 |
| Leelanau | 900 | 860 | 59.3 | 51,000 | 1,000 | 830 | 33.7 | 28,000 |
| Manistee | 500 | 470 | 46.8 | 22,000 | 700 | 600 | 30.0 | 18,000 |
| Missaukee | 4,200 | 4,000 | 56.3 | 225,000 | 5,100 | 3,800 | 38.2 | 145,000 |
| Wexford | 1,200 | 1,160 | 44.8 | 52,000 | 1,700 | 1,350 | 28.9 | 39,000 |
| NORTHWEST (2) | 12,000 | 11,500 | 53.2 | 612,000 | 14,000 | 11,000 | 33.3 | 366,000 |
| Alcona | 2,200 | 2,080 | 59.6 | 124,000 | 2,200 | 1,900 | 35.8 | 68,000 |
| Alpena | 9,100 | 8,700 | 57.7 | 502,000 | 9,500 | 7,500 | 38.5 | 289,000 |
| Cheboygan | 1,400 | 1,330 | 50.4 | 67,000 | 2,000 | 1,400 | 29.3 | 41,000 |
| Crawford | 100 | 90 | 44.4 | 4,000 | 100 | 80 | 37.5 | 3,000 |
| Iosco | 2,400 | 2,250 | 80.0 | 180,000 | 2,500 | 2,000 | 48.3 | 96,500 |
| Montmorency | 2,200 | 2,100 | 57.1 | 120,000 | 2,800 | 2,200 | 29.1 | 64,000 |
| Ogemaw | 4,300 | 4,100 | 61.5 | 252,000 | 4,700 | 3,700 | 37.6 | 139,000 |
| Oscoda | 200 | 180 | 50.0 | 9,000 | 300 | 250 | 36.0 | 9,000 |
| Otsego | 2,000 | 1,880 | 59.6 | 112,000 | 2,300 | 1,900 | 32.1 | 61,000 |
| Presque Isle | 8,000 | 7,700 | 65.6 | 505,000 | 8,500 | 7,000 | 35.6 | 249,000 |
| Roscommon | 100 | 90 | 44.4 | 4,000 | 100 | 70 | 35.7 | 2,500 |
| NORTHEAST (3) | 32,000 | 30,500 | 61.6 | 1,879,000 | 35,000 | 28,000 | 36.5 | 1,022,000 |
| Lake | 600 | 580 | 50.0 | 29,000 | 600 | 400 | 45.0 | 18,000 |
| Mason | 3,000 | 2,800 | 58.9 | 165,000 | 3,800 | 3,000 | 49.3 | 148,000 |
| Muskegon | 1,800 | 1,700 | 47.6 | 81,000 | 1,800 | 1,100 | 43.6 | 48,000 |
| Newaygo | 2,800 | 2,650 | 46.4 | 123,000 | 3,500 | 2,500 | 50.8 | 127,000 |
| Oceana | 800 | 770 | 54.5 | 42,000 | 1,300 | 1,000 | 47.0 | 47,000 |
| WEST CENTRAL (4) | 9,000 | 8,500 | 51.8 | 440,000 | 11,000 | 8,000 | 43.5 | 388,000 |
| Clare | 2,900 | 2,750 | 61.8 | 170,000 | 2,900 | 2,000 | 47.0 | 94,000 |
| Gladwin | 3,200 | 3,000 | 72.7 | 218,000 | 3,800 | 2,800 | 45.7 | 128,000 |
| Gratiot | 7,800 | 7,500 | 69.3 | 520,000 | 9,000 | 5,900 | 63.1 | 372,000 |

## OATS: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Isabella | 9,000 | 8,500 | 63.5 | 540,000 | 9,500 | 6,400 | 41.9 | 268,000 |
| Mecosta | 3,100 | 2,950 | 49.5 | 146,000 | 3,400 | 2,100 | 42.4 | 89,000 |
| Midland | 1,800 | 1,700 | 52.9 | 90,000 | 2,200 | 1,200 | 52.5 | 63,000 |
| Montcalm | 9,200 | 8,800 | 63.6 | 560,000 | 10,000 | 6,800 | 45.3 | 308,000 |
| Osceola | 4,000 | 3,800 | 54.7 | 208,000 | 4,200 | 2,800 | 42.1 | 118,000 |
| CENTRAL (5) | 41,000 | 39,000 | 62.9 | 2,452,000 | 45,000 | 30,000 | 48.0 | 1,440,000 |
| Arenac | 3,500 | 3,200 | 69.4 | 222,000 | 5,500 | 3,500 | 53.1 | 186,000 |
| Bay | 1,500 | 1,400 | 66.4 | 93,000 | 2,500 | 1,500 | 66.7 | 100,000 |
| Huron | 25,000 | 23,500 | 82.0 | 1,926,000 | 37,000 | 25,500 | 66.1 | 1,685,000 |
| Saginaw | 7,000 | 6,600 | 68.0 | 449,000 | 10,000 | 6,500 | 65.5 | 426,000 |
| Sanilac | 33,000 | 31,000 | 70.0 | 2,170,000 | 46,000 | 30,000 | 63.9 | 1,917,000 |
| Tuscola | 13,000 | 12,300 | 72.4 | 890,000 | 19,000 | 13,000 | 61.4 | 798,000 |
| EAST CENTRAL (6) | 83,000 | 78,000 | 73.7 | 5,750,000 | 120,000 | 80,000 | 63.9 | 5,112,000 |
| Allegan | 7,500 | 7,000 | 56.7 | 397,000 | 8,600 | 5,000 | 48.4 | 242,000 |
| Berrien | 1,200 | 1,150 | 47.0 | 54,000 | 2,000 | 1,200 | 47.5 | 57,000 |
| Cass | 3,600 | 3,450 | 41.7 | 144,000 | 3,600 | 2,200 | 47.3 | 104,000 |
| Kalamazoo | 4,000 | 3,800 | 58.4 | 222,000 | 4,600 | 2,700 | 48.9 | 132,000 |
| Kent | 8,800 | 8,200 | 59.8 | 490,000 | 9,400 | 5,400 | 49.4 | 267,000 |
| Ottawa | 6,500 | 6,100 | 54.9 | 335,000 | 7,000 | 3,900 | 41.0 | 160,000 |
| Van Buren | 2,400 | 2,300 | 50.0 | 115,000 | 2,800 | 1,600 | 43.8 | 70,000 |
| SOUTHWEST (7) | 34,000 | 32,000 | 54.9 | 1,757,000 | 38,000 | 22,000 | 46.9 | 1,032,000 |
| Barry | 4,400 | 4,100 | 52.4 | 215,000 | 5,300 | 3,400 | 52.1 | 177,000 |
| Branch | 4,000 | 3,800 | 55.3 | 210,000 | 4,800 | 3,000 | 44.7 | 134,000 |
| Calhoun | 8,000 | 7,600 | 50.0 | 380,000 | 10,000 | 5,300 | 51.5 | 273,000 |
| Clinton | 9,800 | 9,300 | 62.0 | 577,000 | 11,500 | 6,000 | 53.2 | 319,000 |
| Eaton | 4,500 | 4,200 | 61.2 | 257,000 | 5,500 | 3,700 | 57.8 | 214,000 |
| Hillsdale | 5,700 | 5,400 | 55.6 | 300,000 | 6,800 | 3,900 | 46.9 | 183,000 |
| Ingham | 5,500 | 5,200 | 54.8 | 285,000 | 6,700 | 4,000 | 56.8 | 227,000 |
| Ionia | 10,200 | 9,700 | 71.6 | 695,000 | 12,000 | 6,900 | 51.0 | 352,000 |
| Jackson | 7,400 | 7,000 | 53.6 | 375,000 | 8,000 | 5,000 | 48.2 | 241,000 |
| St. Joseph | 1,800 | 1,700 | 42.4 | 72,000 | 2,400 | 1,400 | 42.9 | 60,000 |
| Shiawassee | 13,700 | 13,000 | 64.0 | 832,000 | 17,000 | 10,400 | 56.7 | 590,000 |
| SOUTH CENTRAL (8) | 75,000 | 71,000 | 59.1 | 4,198,000 | 90,000 | 53,000 | 52.3 | 2,770,000 |
| Genesee | 9,000 | 8,600 | 58.7 | 505,000 | 10,000 | 6,800 | 58.1 | 395,000 |
| Lapeer | 10,600 | 10,000 | 75.5 | 755,000 | 12,000 | 8,000 | 61.3 | 490,000 |
| Lenawee | 6,500 | 6,200 | 56.6 | 351,000 | 7,100 | 4,200 | 62.9 | 264,000 |
| Livingston | 4,500 | 4,300 | 49.5 | 213,000 | 5,000 | 3,300 | 51.5 | 170,000 |
| Macomb | 4,300 | 4,200 | 55.2 | 232,000 | 4,600 | 3,000 | 59.0 | 177,000 |
| Monroe | 4,800 | 4,600 | 73.3 | 337,000 | 5,500 | 3,600 | 58.6 | 211,000 |
| Oakland | 1,500 | 1,430 | 62.9 | 90,000 | 1,900 | 1,200 | 48.3 | 58,000 |
| St. Clair | 9,000 | 8,600 | 66.9 | 575,000 | 10,500 | 6,200 | 56.8 | 352,000 |
| Washtenaw | 12,500 | 11,800 | 54.7 | 645,000 | 15,000 | 9,400 | 50.5 | 475,000 |
| Wayne | 300 | 270 | 48.1 | 13,000 | 400 | 300 | 50.0 | 15,000 |
| SOUTHEAST (9) | 63,000 | 60,000 | 61.9 | 3,716,000 | 72,000 | 46,000 | 56.7 | 2,607,000 |
| STATE | 370,000 | 350,000 | 62.0 | 21,700,000 | 450,000 | 300,000 | 52.0 | 15,600,000 |

# DRY BEANS: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Pounds* | *Cwt.* | *Acres* | | *Pounds* | *Cwt.* |
| UPPER PENINSULA (1) | 1,700 | 1,640 | 1,500 | 24,600 | 1,800 | 1,700 | 1,000 | 17,000 |
| NORTHWEST (2) | 2,000 | 1,900 | 1,210 | 23,000 | 1,800 | 1,600 | 1,000 | 16,000 |
| NORTHEAST (3) | 10,400 | 10,000 | 1,320 | 131,500 | 10,900 | 10,040 | 970 | 97,500 |
| WEST CENTRAL (4) | 500 | 460 | 1,000 | 4,600 | 500 | 460 | 1,200 | 5,500 |
| Clare | — | — | — | — | — | — | — | — |
| Gladwin | 2,700 | 2,600 | 900 | 23,400 | 2,500 | 2,280 | 1,180 | 27,000 |
| Gratiot | 37,000 | 36,300 | 1,080 | 393,000 | 30,000 | 29,300 | 1,300 | 380,000 |
| Isabella | 11,000 | 10,700 | 890 | 95,600 | 10,000 | 9,900 | 1,150 | 113,800 |
| Mecosta | 2,800 | 2,600 | 1,010 | 26,300 | 2,300 | 2,200 | 1,160 | 25,500 |
| Midland | 11,000 | 10,900 | 920 | 100,000 | 10,000 | 9,950 | 1,300 | 129,000 |
| Montcalm | 17,200 | 17,000 | 1,220 | 208,000 | 18,000 | 17,100 | 1,230 | 210,000 |
| Osceola | — | — | — | — | — | — | — | — |
| CENTRAL (5) | 82,000 | 80,400 | 1,060 | 849,000 | 73,100 | 71,000 | 1,250 | 888,500 |
| Arenac | 10,500 | 10,300 | 970 | 100,000 | 9,500 | 8,900 | 1,200 | 106,800 |
| Bay | 37,000 | 36,200 | 980 | 353,000 | 36,000 | 35,200 | 1,350 | 475,200 |
| Huron | 82,000 | 80,400 | 1,110 | 892,000 | 70,000 | 68,700 | 1,320 | 907,000 |
| Saginaw | 25,000 | 24,500 | 1,030 | 253,000 | 23,000 | 22,500 | 1,340 | 301,500 |
| Sanilac | 30,500 | 29,900 | 1,020 | 305,000 | 24,000 | 23,000 | 1,250 | 287,500 |
| Tuscola | 64,000 | 62,700 | 1,100 | 690,000 | 63,000 | 61,700 | 1,400 | 864,000 |
| EAST CENTRAL (6) | 249,000 | 244,000 | 1,060 | 2,593,000 | 225,500 | 220,000 | 1,340 | 2,942,000 |
| Allegan | 200 | 190 | 1,110 | 2,100 | 200 | 180 | 1,170 | 2,100 |
| Berrien | 200 | 190 | 1,110 | 2,100 | 200 | 180 | 1,170 | 2,100 |
| Cass | — | — | — | — | — | — | — | — |
| Kalamazoo | — | — | — | — | — | — | — | — |
| Kent | 1,500 | 1,430 | 1,110 | 15,800 | 1,500 | 1,450 | 1,140 | 16,600 |
| Ottawa | 200 | 190 | 1,110 | 2,100 | — | — | — | — |
| Van Buren | — | — | — | — | — | — | — | — |
| SOUTHWEST (7) | 2,200 | 2,100 | 1,100 | 23,200 | 2,100 | 2,000 | 1,150 | 23,000 |
| Barry | 1,700 | 1,650 | 1,050 | 17,400 | 1,200 | 1,140 | 1,300 | 14,800 |
| Branch | — | — | — | — | — | — | — | — |
| Calhoun | — | — | — | — | — | — | — | — |
| Clinton | 7,000 | 6,400 | 1,300 | 83,200 | 6,000 | 5,850 | 1,300 | 76,000 |
| Eaton | 15,000 | 13,600 | 880 | 119,000 | 13,000 | 12,700 | 1,300 | 165,100 |
| Hillsdale | — | — | — | — | — | — | — | — |
| Ingham | 2,100 | 2,050 | 880 | 18,100 | 2,200 | 2,150 | 1,280 | 27,500 |
| Ionia | 10,000 | 9,800 | 1,160 | 114,000 | 9,000 | 8,900 | 1,300 | 116,000 |
| Jackson | — | — | — | — | — | — | — | — |
| St. Joseph | — | — | — | — | — | — | — | — |
| Shiawassee | 2,500 | 2,400 | 980 | 23,500 | 2,300 | 2,200 | 1,300 | 28,500 |
| SOUTH CENTRAL (8) | 38,700 | 36,300 | 1,040 | 378,800 | 34,200 | 33,400 | 1,300 | 433,700 |
| Genesee | 800 | 790 | 1,010 | 8,000 | 500 | 480 | 1,290 | 6,200 |
| Lapeer | 7,800 | 7,600 | 1,130 | 85,500 | 5,000 | 4,900 | 1,340 | 65,900 |
| Lenawee | 400 | 390 | 1,210 | 4,700 | 360 | 350 | 1,310 | 4,600 |
| Livingston | 400 | 390 | 1,000 | 3,900 | 300 | 290 | 1,280 | 3,700 |
| Macomb | 960 | 940 | 1,050 | 9,900 | 1,000 | 950 | 1,290 | 12,300 |
| St. Clair | 3,000 | 2,950 | 1,080 | 31,800 | 2,800 | 2,700 | 1,200 | 32,400 |
| SOUTHEAST (9) | 13,500 | 13,200 | 1,100 | 145,300 | 10,100 | 9,800 | 1,290 | 126,800 |
| STATE | 400,000 | 390,000 | 1,070 | 4,173,000 | 360,000 | 350,000 | 1,300 | 4,550,000 |

## SUGARBEETS: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | | *Tons* | *Acres* | | | *Tons* |
| UPPER PENINSULA (1) | — | — | — | — | — | — | — | — |
| NORTHWEST (2) | — | — | — | — | — | — | — | — |
| NORTHEAST (3) | — | — | — | — | — | — | — | — |
| WEST CENTRAL (4) | — | — | — | — | — | — | — | — |
| Clare | — | — | — | — | — | — | — | — |
| Gladwin | 550 | 520 | 16.0 | 8,300 | 540 | 500 | 16.8 | 8,400 |
| Gratiot | 5,100 | 5,100 | 20.6 | 105,000 | 5,000 | 4,980 | 21.3 | 106,000 |
| Isabella | — | — | — | — | — | — | — | — |
| Midland | 3,200 | 3,180 | 16.1 | 51,300 | 3,000 | 2,800 | 13.9 | 38,900 |
| Montcalm | — | — | — | — | — | — | — | — |
| CENTRAL (5) | 8,950 | 8,900 | 18.7 | 166,600 | 8,620 | 8,360 | 18.5 | 154,300 |
| Arenac | 2,300 | 2,200 | 18.6 | 41,000 | 2,200 | 2,060 | 16.0 | 33,000 |
| Bay | 18,500 | 18,200 | 18.2 | 331,000 | 17,500 | 17,000 | 18.0 | 306,000 |
| Huron | 21,600 | 21,500 | 20.1 | 432,000 | 21,300 | 21,000 | 20.8 | 437,000 |
| Saginaw | 15,000 | 14,600 | 20.5 | 299,000 | 14,700 | 14,450 | 19.0 | 274,000 |
| Sanilac | 11,900 | 11,500 | 18.0 | 207,000 | 11,600 | 11,550 | 18.0 | 208,000 |
| Tuscola | 24,300 | 24,000 | 21.3 | 510,000 | 24,100 | 23,900 | 19.7 | 471,000 |
| EAST CENTRAL (6) | 93,600 | 92,000 | 19.8 | 1,820,000 | 91,400 | 89,960 | 19.2 | 1,729,000 |
| SOUTHWEST (7) | — | — | — | — | — | — | — | — |
| Barry | — | — | — | — | — | — | — | — |
| Branch | — | — | — | — | — | — | — | — |
| Calhoun | — | — | — | — | — | — | — | — |
| Clinton | — | — | — | — | — | — | — | — |
| Eaton | — | — | — | — | — | — | — | — |
| Ingham | — | — | — | — | — | — | — | — |
| Ionia | — | — | — | — | — | — | — | — |
| Jackson | — | — | — | — | — | — | — | — |
| St. Joseph | — | — | — | — | — | — | — | — |
| Shiawassee | — | — | — | — | — | — | — | — |
| SOUTH CENTRAL (8) | 260 | 250 | 17.6 | 4,400 | 270 | 260 | 16.5 | 4,300 |
| Genesee | — | — | — | — | — | — | — | — |
| Lapeer | — | — | — | — | — | — | — | — |
| Lenawee | 3,600 | 3,500 | 18.7 | 65,400 | 2,850 | 2,720 | 16.0 | 43,500 |
| Livingston | — | — | — | — | — | — | — | — |
| Macomb | — | — | — | — | — | — | — | — |
| Monroe | 2,650 | 2,410 | 18.4 | 44,400 | 1,920 | 1,770 | 14.8 | 26,200 |
| Oakland | — | — | — | — | — | — | — | — |
| St. Clair | 820 | 820 | 17.7 | 14,500 | 820 | 820 | 19.6 | 16,100 |
| SOUTHEAST (9) | 7,190 | 6,850 | 18.4 | 126,000 | 5,710 | 5,420 | 16.3 | 88,400 |
| STATE | 110,000 | 108,000 | 19.6 | 2,117,000 | 106,000 | 104,000 | 19.0 | 1,976,000 |

## BARLEY: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Alger | 550 | 540 | 56.9 | 30,700 | 700 | 650 | 50.0 | 32,500 |
| Baraga | 150 | 150 | 54.0 | 8,100 | 160 | 150 | 41.3 | 6,200 |
| Chippewa | 700 | 680 | 47.9 | 32,600 | 500 | 450 | 40.9 | 18,400 |
| Delta | 2,300 | 2,240 | 63.8 | 143,000 | 2,500 | 2,400 | 52.1 | 125,000 |
| Dickinson | 450 | 440 | 68.0 | 29,900 | 650 | 620 | 45.2 | 28,000 |
| Gogebic | — | — | — | — | — | — | — | — |
| Houghton | 170 | 170 | 38.8 | 6,600 | 100 | 90 | 43.3 | 3,900 |
| Iron | 50 | 50 | 54.0 | 2,700 | 90 | 80 | 43.8 | 3,500 |
| Keweenaw | — | — | — | — | — | — | — | — |
| Luce | 220 | 210 | 43.8 | 9,200 | 80 | 80 | 43.8 | 3,500 |
| Mackinac | 150 | 140 | 45.0 | 6,300 | 450 | 430 | 41.2 | 17,700 |
| Marquette | 550 | 540 | 70.0 | 37,800 | 700 | 670 | 47.8 | 32,000 |
| Menominee | 2,900 | 2,840 | 65.8 | 187,000 | 3,000 | 2,800 | 50.0 | 140,000 |
| Ontonagon | 50 | 50 | 40.0 | 2,000 | 120 | 110 | 42.7 | 4,700 |
| Schoolcraft | 250 | 240 | 51.7 | 12,400 | 500 | 470 | 44.0 | 20,700 |
| UPPER PENINSULA (1) | 8,500 | 8,300 | 61.3 | 508,700 | 9,550 | 9,000 | 48.5 | 436,100 |
| Antrim | 50 | 50 | 48.0 | 2,400 | 100 | 90 | 41.1 | 3,700 |
| Benzie | — | — | — | — | — | — | — | — |
| Charlevoix | 350 | 330 | 43.9 | 14,500 | 330 | 300 | 36.7 | 11,000 |
| Emmet | 120 | 110 | 45.5 | 5,000 | 120 | 110 | 39.1 | 4,300 |
| Grand Traverse | — | — | — | — | — | — | — | — |
| Kalkaska | — | — | — | — | — | — | — | — |
| Leelanau | — | — | — | — | — | — | — | — |
| Manistee | 150 | 140 | 45.7 | 6,400 | 270 | 240 | 39.2 | 9,400 |
| Missaukee | 60 | 60 | 50.0 | 3,000 | 160 | 150 | 47.3 | 7,100 |
| Wexford | — | — | — | — | — | — | — | — |
| NORTHWEST (2) | 850 | 800 | 45.4 | 36,300 | 1,100 | 1,000 | 39.9 | 39,900 |
| Alcona | 220 | 210 | 60.0 | 12,600 | 350 | 340 | 35.0 | 11,900 |
| Alpena | 660 | 640 | 58.9 | 37,700 | 720 | 680 | 37.5 | 25,500 |
| Cheboygan | 600 | 580 | 54.5 | 31,600 | 700 | 670 | 35.2 | 23,600 |
| Crawford | — | — | — | — | — | — | — | — |
| Iosco | 420 | 410 | 58.8 | 24,100 | 200 | 190 | 39.5 | 7,500 |
| Montmorency | 200 | 200 | 54.0 | 10,800 | 280 | 260 | 36.9 | 9,600 |
| Ogemaw | 500 | 490 | 55.9 | 27,400 | 600 | 580 | 42.1 | 24,400 |
| Oscoda | 60 | 60 | 55.0 | 3,300 | 100 | 90 | 35.6 | 3,200 |
| Otsego | 220 | 210 | 51.0 | 10,700 | 150 | 140 | 42.1 | 5,900 |
| Presque Isle | 700 | 680 | 61.9 | 42,100 | 700 | 650 | 46.9 | 30,500 |
| Roscommon | — | — | — | — | — | — | — | — |
| NORTHEAST (3) | 3,600 | 3,500 | 57.5 | 201,300 | 3,800 | 3,600 | 39.5 | 142,100 |
| Lake | — | — | — | — | — | — | — | — |
| Mason | 180 | 160 | 43.8 | 7,000 | 150 | 140 | 39.3 | 5,500 |
| Muskegon | 300 | 280 | 43.9 | 12,300 | 90 | 80 | 38.8 | 3,100 |
| Newaygo | 170 | 160 | 45.0 | 7,200 | 100 | 90 | 40.0 | 3,600 |
| Oceana | — | — | — | — | — | — | — | — |
| WEST CENTRAL (4) | 700 | 650 | 44.2 | 28,700 | 400 | 370 | 39.5 | 14,600 |
| Clare | 360 | 350 | 48.0 | 16,800 | 380 | 360 | 46.7 | 16,800 |
| Gladwin | 260 | 250 | 54.8 | 13,700 | 310 | 290 | 49.3 | 14,300 |
| Gratiot | 240 | 230 | 70.0 | 16,100 | 130 | 120 | 46.7 | 5,600 |

## BARLEY: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Bushels* | | *Acres* | | *Bushels* | |
| Isabella | 1,200 | 1,170 | 49.0 | 57,300 | 1,050 | 950 | 48.7 | 46,300 |
| Mecosta | 680 | 660 | 50.9 | 33,600 | 400 | 360 | 46.9 | 16,900 |
| Midland | 60 | 60 | 58.3 | 3,500 | 50 | 50 | 46.0 | 2,300 |
| Montcalm | 600 | 590 | 54.9 | 32,400 | 600 | 570 | 47.9 | 27,300 |
| Osceola | 300 | 290 | 50.7 | 14,700 | 580 | 550 | 46.7 | 25,700 |
| CENTRAL (5) | 3,700 | 3,600 | 52.3 | 188,100 | 3,500 | 3,250 | 47.8 | 155,200 |
| Arenac | 70 | 70 | 62.9 | 4,400 | 160 | 150 | 50.7 | 7,600 |
| Bay | 180 | 180 | 65.0 | 11,700 | 240 | 230 | 50.0 | 11,500 |
| Huron | 5,900 | 5,800 | 74.8 | 434,000 | 5,200 | 4,900 | 59.8 | 293,000 |
| Saginaw | 250 | 250 | 72.8 | 18,200 | 450 | 420 | 51.4 | 21,600 |
| Sanilac | 3,000 | 2,950 | 58.0 | 171,000 | 2,550 | 2,450 | 59.6 | 146,000 |
| Tuscola | 1,900 | 1,850 | 73.5 | 136,000 | 3,100 | 2,950 | 54.9 | 162,000 |
| EAST CENTRAL (6) | 11,300 | 11,100 | 69.8 | 775,300 | 11,700 | 11,100 | 57.8 | 641,700 |
| Allegan | 110 | 100 | 42.0 | 4,200 | 270 | 250 | 32.4 | 8,100 |
| Berrien | — | — | — | — | — | — | — | — |
| Cass | 600 | 580 | 44.0 | 25,500 | 200 | 190 | 29.5 | 5,600 |
| Kalamazoo | 150 | 140 | 45.0 | 6,300 | 200 | 180 | 30.0 | 5,400 |
| Kent | 600 | 570 | 48.9 | 27,900 | 570 | 540 | 37.4 | 20,200 |
| Ottawa | 270 | 260 | 43.8 | 11,400 | 160 | 150 | 33.3 | 5,000 |
| Van Buren | 120 | 110 | 42.7 | 4,700 | 220 | 210 | 33.3 | 7,000 |
| SOUTHWEST (7) | 2,000 | 1,900 | 45.3 | 86,100 | 1,650 | 1,550 | 33.6 | 52,100 |
| Barry | 330 | 320 | 51.9 | 16,600 | 260 | 250 | 40.8 | 10,200 |
| Branch | — | — | — | — | — | — | — | — |
| Calhoun | 70 | 70 | 42.9 | 3,000 | 80 | 80 | 38.8 | 3,100 |
| Clinton | 500 | 480 | 61.9 | 29,700 | 160 | 150 | 48.0 | 7,200 |
| Eaton | 60 | 60 | 46.7 | 2,800 | 130 | 120 | 38.3 | 4,600 |
| Hillsdale | — | — | — | — | — | — | — | — |
| Ingham | 150 | 140 | 43.6 | 6,100 | 200 | 190 | 44.7 | 8,500 |
| Ionia | 600 | 570 | 53.0 | 30,200 | 480 | 450 | 46.2 | 20,800 |
| Jackson | — | — | — | — | — | — | — | — |
| St. Joseph | — | — | — | — | — | — | — | — |
| Shiawassee | 350 | 340 | 58.8 | 20,000 | 280 | 250 | 42.8 | 10,700 |
| SOUTH CENTRAL (8) | 2,550 | 2,450 | 52.7 | 129,100 | 1,700 | 1,600 | 43.6 | 69,700 |
| Genesee | 120 | 110 | 60.0 | 6,600 | 50 | 50 | 42.0 | 2,100 |
| Lapeer | 950 | 900 | 51.8 | 46,600 | 1,200 | 1,160 | 43.1 | 50,000 |
| Lenawee | — | — | — | — | — | — | — | — |
| Livingston | — | — | — | — | — | — | — | — |
| Macomb | — | — | — | — | — | — | — | — |
| Monroe | 70 | 70 | 45.7 | 3,200 | 50 | 40 | 42.5 | 1,700 |
| Oakland | — | — | — | — | — | — | — | — |
| St. Clair | 250 | 230 | 52.2 | 12,000 | 110 | 100 | 42.0 | 4,200 |
| Washtenaw | 300 | 280 | 46.4 | 13,000 | 160 | 150 | 42.7 | 6,400 |
| Wayne | — | — | — | — | — | — | — | — |
| SOUTHEAST (9) | 1,800 | 1,700 | 50.8 | 86,400 | 1,600 | 1,530 | 42.9 | 65,600 |
| STATE | 35,000 | 34,000 | 60.0 | 2,040,000 | 35,000 | 33,000 | 49.0 | 1,617,000 |

## POTATOES: Acreage, Yield, Production, 1983-84

| DISTRICT AND COUNTY | 1984 | | | | 1983 | | | |
|---|---|---|---|---|---|---|---|---|
| | Planted | Harvested | Yield | Production | Planted | Harvested | Yield | Production |
| | *Acres* | | *Cwt.* | | *Acres* | | *Cwt.* | |
| Delta | 900 | 880 | 245 | 216,000 | 900 | 850 | 205 | 174,000 |
| Dickinson | 1,450 | 1,410 | 250 | 352,000 | 1,500 | 1,400 | 210 | 294,000 |
| Houghton | 450 | 440 | 240 | 106,000 | 450 | 410 | 195 | 80,000 |
| Iron | 500 | 490 | 250 | 122,000 | 600 | 570 | 210 | 120,000 |
| Luce | 600 | 590 | 250 | 147,000 | 400 | 380 | 210 | 80,000 |
| Marquette | 450 | 440 | 270 | 119,000 | 450 | 410 | 230 | 94,000 |
| Schoolcraft | 300 | 300 | 250 | 75,000 | 300 | 280 | 210 | 59,000 |
| UPPER PENINSULA (1) | 4,800 | 4,700 | 250 | 1,175,000 | 4,700 | 4,400 | 210 | 923,000 |
| Antrim | 1,500 | 1,450 | 245 | 355,000 | 1,550 | 1,480 | 225 | 333,000 |
| Emmet | 600 | 590 | 240 | 142,000 | 600 | 570 | 185 | 106,000 |
| Kalkaska | 1,300 | 1,280 | 235 | 301,000 | 1,100 | 1,050 | 215 | 226,000 |
| Leelanau | 200 | 200 | 245 | 49,000 | 200 | 190 | 210 | 40,000 |
| Manistee | 1,250 | 1,230 | 240 | 295,000 | 1,200 | 1,170 | 200 | 234,000 |
| Missaukee | 300 | 300 | 235 | 70,000 | 300 | 290 | 205 | 59,000 |
| NORTHWEST (2) | 5,200 | 5,100 | 240 | 1,224,000 | 5,000 | 4,800 | 210 | 1,008,000 |
| Alpena | 400 | 390 | 260 | 101,000 | 350 | 330 | 200 | 66,000 |
| Otsego | 850 | 830 | 235 | 195,000 | 800 | 730 | 185 | 135,000 |
| Presque Isle | 4,050 | 4,000 | 265 | 1,060,000 | 3,950 | 3,650 | 210 | 766,000 |
| NORTHEAST (3) | 5,600 | 5,510 | 260 | 1,433,000 | 5,400 | 5,010 | 205 | 1,027,000 |
| Newaygo | 200 | 190 | 260 | 49,000 | 200 | 190 | 230 | 44,000 |
| WEST CENTRAL (4) | 400 | 390 | 255 | 99,000 | 400 | 390 | 230 | 90,000 |
| Gratiot | 700 | 680 | 270 | 184,000 | 600 | 580 | 220 | 128,000 |
| Mecosta | 2,000 | 1,950 | 350 | 683,000 | 1,850 | 1,800 | 295 | 531,000 |
| Montcalm | 12,300 | 12,100 | 345 | 4,174,000 | 11,800 | 11,400 | 295 | 3,363,000 |
| Osceola | 200 | 190 | 260 | 49,000 | — | — | — | — |
| CENTRAL (5) | 15,500 | 15,200 | 340 | 5,167,000 | 14,600 | 14,100 | 290 | 4,089,000 |
| Arenac | 2 500 | 2,470 | 185 | 457,000 | 2,500 | 2,470 | 170 | 420,000 |
| Bay | 6,900 | 6,800 | 205 | 1,394,000 | 6,500 | 6,400 | 190 | 1,216,000 |
| Huron | 600 | 590 | 195 | 115,000 | 550 | 540 | 200 | 108,000 |
| Saginaw | 850 | 830 | 195 | 162,000 | 700 | 680 | 170 | 115,000 |
| Tuscola | 2,000 | 1,960 | 205 | 402,000 | 1,700 | 1,660 | 190 | 315,000 |
| EAST CENTRAL (6) | 13,000 | 12,800 | 200 | 2,560,000 | 12,000 | 11,800 | 185 | 2,183,000 |
| Allegan | 2,200 | 2,150 | 315 | 677,000 | 2,200 | 2,100 | 230 | 483,000 |
| Kent | 600 | 580 | 330 | 191,000 | 600 | 570 | 265 | 151,000 |
| Ottawa | 500 | 480 | 310 | 149,000 | 450 | 400 | 220 | 88,000 |
| Van Buren | 200 | 200 | 280 | 56,000 | 200 | 190 | 185 | 35,000 |
| SOUTHWEST (7) | 3,800 | 3,700 | 310 | 1,154,000 | 3,700 | 3,500 | 230 | 805,000 |
| Barry | 450 | 440 | 250 | 110,000 | 400 | 370 | 245 | 91,000 |
| Calhoun | 300 | 290 | 235 | 68,000 | 300 | 290 | 225 | 65,000 |
| Eaton | 1,000 | 950 | 235 | 223,000 | 1,000 | 970 | 220 | 214,000 |
| Ingham | 550 | 540 | 250 | 135,000 | 300 | 290 | 260 | 75,000 |
| Shiawassee | 300 | 290 | 235 | 68,000 | 350 | 330 | 225 | 74,000 |
| SOUTH CENTRAL (8) | 3,000 | 2,900 | 240 | 696,000 | 2,600 | 2,500 | 230 | 575,000 |
| Genesee | 900 | 890 | 230 | 205,000 | 1,000 | 950 | 195 | 185,000 |
| Lapeer | 600 | 590 | 250 | 147,000 | 600 | 580 | 220 | 128,000 |
| Lenawee | 1,900 | 1,800 | 260 | 468,000 | 1,900 | 1,850 | 225 | 416,000 |
| Macomb | 500 | 490 | 215 | 105,000 | 250 | 230 | 200 | 46,000 |
| Monroe | 1,850 | 1,800 | 245 | 441,000 | 2,100 | 1,970 | 210 | 412,000 |
| St. Clair | 300 | 290 | 235 | 68,000 | — | — | — | — |
| Washtenaw | 600 | 590 | 250 | 148,000 | 600 | 580 | 195 | 113,000 |
| SOUTH EAST (9) | 6,700 | 6,500 | 245 | 1,592,000 | 6,600 | 6,300 | 210 | 1,323,000 |
| STATE | 58,000 | 56,800 | 265 | 15,100,000 | 55,000 | 52,800 | 230 | 12,023,000 |